

PyroTECHNICS

# TYPES OF PYROTECHNICS

- Destructor
- Destroyer
- Screening
  - Floating
- Signal
  - Distress
  - Flare
  - Illuminating
  - Smoke
- Simulator
  - Anti-tank
  - Artillery
  - Booby Trap
  - Grenade
  - Missile
  - SMAW
  - Target

# DESTRUCTOR (DOCUMENT) M814

## Item Description

The Destroyer, Document M4 Incendiary (DODIC M814) is intended for use in the emergency destruction of important and classified documents to prevent them being compromised. The destroyer can dispose of up to 120 pounds of paper, photographic material, recording tape, or plastic printed circuit boards in 10 to 20 minutes.

The document destroyer is a self-contained incendiary kit. It consists of a 55-gallon drum containing a centrally positioned fiberboard inner drum. The two-inch space between the two drums is filled with sodium nitrate oxidizer in pellet form. Packed inside are three igniter charge bags and two M72 20-minute railroad fuses and a metal wire screen.



**Destroyer, Document M4 Incendiary  
(DODIC M814)**

# SAFETY & PACKAGING

## Safety Precautions

### CAUTION

Do not remove the inner drum from the 55-gallon drum.

The DODIC M814 is classified as 1.4G munitions and is safe to handle using standard precautions.



## Packaging

The DODIC M814 packaging configuration is given in the Packaging Configuration Table below.

**Packaging Configuration Table**

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1375-00-078-0450</a>	M4	Packaged 1 destroyer/55 gallon metal drum, 2 drums/wood pallet	None	<a href="#">55 Gallon Metal Drum</a>



# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Attempt to determine missing information. Follow local ASP procedures for disposition if missing information cannot be determined. Correct markings as required.	(1)
Contents returned in non-standard or unauthorized containers (not in 55 gallon metal drum)	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	(2)
Punctures that appear to penetrate container, crushed container	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	(3)
Dents, buckles, rust, or other damage	Minor	If metal drum is sealed follow local ASP procedures for disposition for securing the ammunition for storage. Otherwise proceed to <a href="#">Individual Item inspection</a> procedure.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Individual Item inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) At a minimum, the markings should include the [DODIC](#), [lot number](#), [NSN](#), and [quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for securing and storing the ammunition if the outer container is missing or unserviceable and cannot be replaced.

# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Missing <a href="#">oxidizer agent</a>	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Inner <a href="#">fiberboard drum</a> missing or damaged	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Missing or <a href="#">damaged igniter bags</a>	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Missing or damaged <a href="#">M72 Fuse</a>	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Missing or damaged <a href="#">screen cover</a>	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Missing or illegible <a href="#">instruction cards</a>	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Missing <a href="#">packing material or spacers</a>	Minor	Replace if possible.	
Components wet/damp, caked with mud or dirt	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
No defects	N/A	Repack the ammunition. Follow local ASP procedures for securing the ammunition for storage.	

# VISUALS



**Packaged Components  
(DODIC M814)**



**Instruction Sheet  
(DODIC M814)**



**Opened Container  
(DODIC M814)**

# REFERENCES

MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
NAVSEA SW060-AA-MMA-010	Technical Manual, Demolition Materials
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
TM 43-0001-38	Army Ammunition Data Sheets for Demolition Materials
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use

# Destroyer, Crypto Equipment M1 Series TH4 (M598)

## Item Description

The Destroyer, Crypto Equipment M1 Series TH4 (DODIC M598) is designed to destroy cryptographic equipment, electronic gear, and associated material by melting and burning. The destroyer is shipped with three mounting brackets and sets of mounting screws.

The crypto equipment destroyer is a thermate TH4 incendiary device. The M1 Series Destroyer is activated by either the M209 Electric Fuzes or the M210 Mechanical Fuze. The destroyer has approximately 28 pounds of TH4 thermate filler that burns at 4000°F.



Destroyer, Crypto Equipment M1  
Series TH4 (DODIC M598)

# SAFETY& PACKAGING

## WARNING

**DO NOT** use the pull ring of the fuze safety pin for lifting or handling the incendiary device.

## WARNING

To protect the electric squibs from stray electrical current, ensure that ignition wires are properly shunted. See AIN 09-97 for handling and use of electrically initiated ammunition.

## WARNING

**DO NOT** strike top of incendiary device or let it drop. A shock can set off fuze.

The DODIC M598 is classified as 1.3G explosives and is safe to handle using standard precautions.



## Packaging

The packaging configuration for DODIC M598 is given in the Packaging Configuration Table below. NSN 1375-00-834-8884 is shown for illustration.

**Packaging Configuration Table**

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1375-00-834-8884</a> 1375-00-383-3908	M1	Packaged 1 destroyer/fiberboard box, 1 box/wooden box, 22 boxes/wood pallet	<a href="#">1/Fiberboard Box</a>	<a href="#">1/Wooden Box</a>

# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Attempt to determine missing information. Follow local ASP procedures for disposition if missing information cannot be determined. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

(1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for disposition of containers that do not meet minimum standards.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommend Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
Severe punctures that appear to penetrate container or crushed container	Major	Proceed to Individual Item inspection.	(2)
Dents, buckles, torn, or other surface damage	Minor	Proceed to Individual Item inspection.	(2)
Wet/damp, caked with mud or dirt	Minor	Proceed to Individual Item inspection.	(2)
No defects	N/A	Follow local ASP procedure for securing the ammunition to storage.	

## Notes:

- (1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.
- (2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.



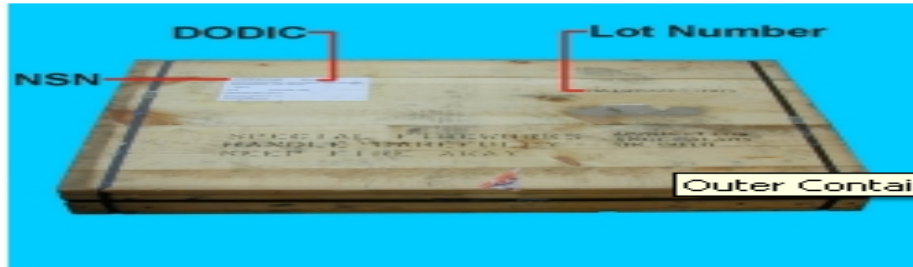
# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible on destroyer	Major	Attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined.	(1)
<a href="#">Lot number missing or illegible on M210 Mechanical Fuze</a>	Major	Attempt to determine missing information. Follow local ASP procedures for disposition if missing information cannot be determined.	
Missing mechanical fuze	Major	Place defective ammunition in a holding area. Follow local ASP procedures for disposition.	
Missing fuze <a href="#">safety pin</a>	Critical	Replace safety pin if available. If no pin available, follow local ASP procedures for disposition.	
Fuze safety pin not crimped	Critical	Secure pin by crimping or bending.	
Electrical fuze <a href="#">ignition wires</a> not shunted	Critical	Shunt wires by twisting together. Place ammunition in a holding area. Follow local ASP procedures for disposition.	
Electrical fuze ignition wires cut, frayed	Critical	Shunt wires at cut or frayed end. Place ammunition in a holding area. Follow local ASP procedures for disposition.	
Cracked or punctured casing exposing thermate.	Critical	Place defective ammunition in a holding area. Follow local ASP procedures for disposition.	
Missing <a href="#">firing instructions</a>	Major	Replace if possible. If not, follow local ASP procedure for disposition.	
Wet/damp, caked with mud or dirt	Minor	Wipe ammunition and components clean and repack.	
Missing <a href="#">mounting accessories</a>	Minor	Replace missing accessories if possible. If not, follow local ASP procedures for disposition.	
No defects	N/A	Repack the charges. Follow local ASP procedures for securing the ammunition for storage.	

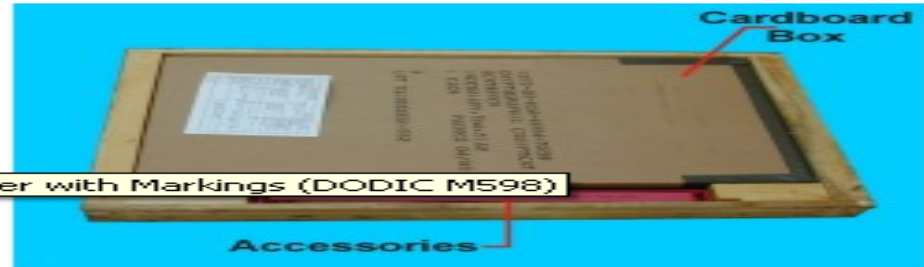
## Note:

(1) Prior to repackaging and returning to storage, ensure that the [lot number](#) on the cutter match the inner/outer container.

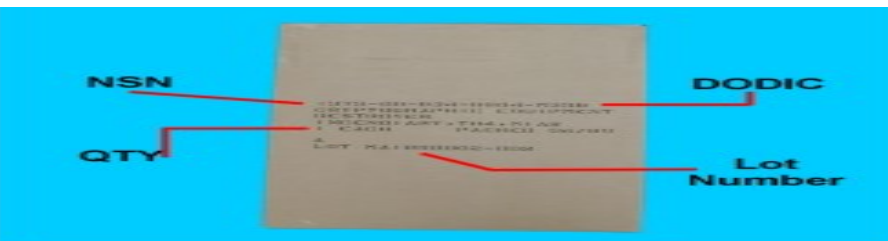
# VISUALS



**Outer Container with Markings (DODIC M598)**



**Opened Outer Container (DODIC M598)**



**Inner Container with Markings (DODIC M598)**



**Opened Inner Container (DODIC M598)**



**Fuzes (DODIC M598)**



**Mounting Accessories (DODIC M598)**

# REFERENCES

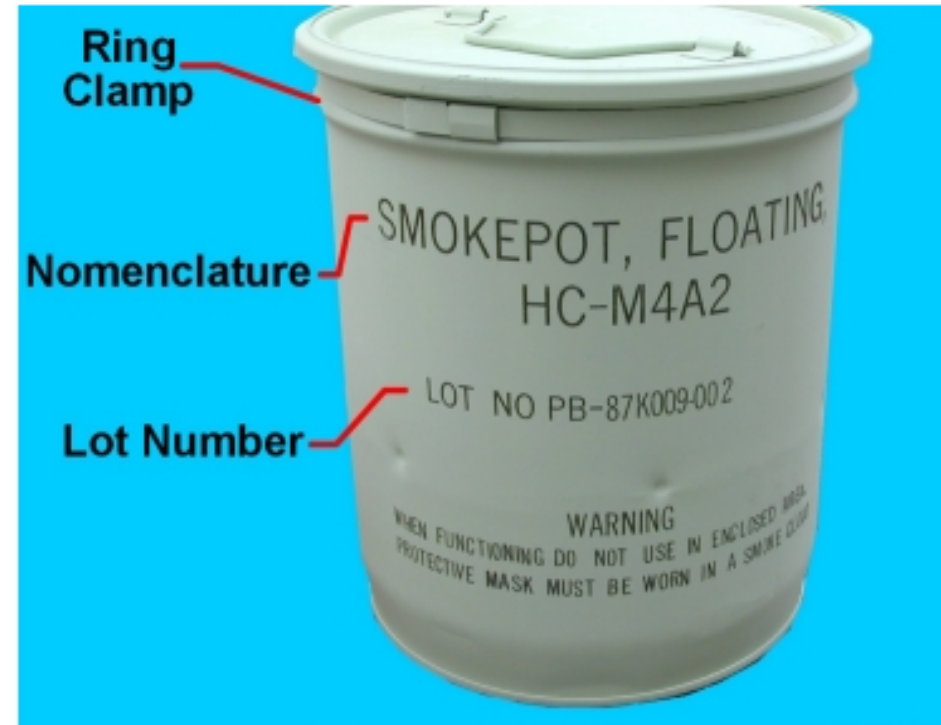
MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
NAVSEA SW060-AA-MMA-010	Technical Manual, Demolition Materials
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
TM 43-0001-38	Army Ammunition Data Sheets for Demolition Materials
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use

# DODIC K867

## Smoke Pot, Floating HC M4A2

### Item Description

The Smoke Pot, Floating Hexachloroethane (HC) M4A2 (DODIC K867) is used to generate smoke when a floating source of smoke is required for river crossings and beach landings; it can also be used on land. The M4A2 HC floating smoke pot is a 5-gallon metal pail with its lower third filled with about 25 pounds of Type-C, HC smoke mixture and fuzed with an M207A1 Floating Pot Fuze. The M207A1 Fuze is a pyrotechnic, delay-igniting fuze. Before the M4A2 Smoke Pot can be employed, the ring clamp and outer cover must be removed. The M207A1 Fuze safety lever is held against the fuze body and the safety pin withdrawn by pulling the pull ring. The pot is lifted by its handle and dropped into the water. The air chamber in the pot causes it to float. When the fuze safety lever is released, the striker spring drives the striker, which hits the primer. The primer ignites the first fire charge, which, in turn, ignites the delay charge. After about 2 seconds, the delay charge ignites the ignition charge thus completing the fuze action. Flame from the ignition charge travels through the pot's igniter tube to ignite the starter mixture, which then ignites the HC smoke-mixture filling. Pressure from the heat builds up inside the pot and blows off the adhesive tape covering the vents in the inner cover. Smoke particles escape through the vents to form a dense, white smoke cloud.



**Smoke Pot, Floating HC M4A2  
(DODIC K867)**

# SAFETY & PACKAGING

## Safety Precautions

The DODIC K867 is classified as 1.4G munitions and is safe to handle using standard precautions.



## Packaging

The DODIC K867 is packaged in different configurations. The packaging configurations for DODIC K867 are given in the Packaging Configuration Table below. NSN 1365-00-598-5220 is shown for illustration.

**Packaging Configuration Table**

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1365-00-598-5220</a>	M4A2	Packaged 1 smoke pot/wood overpack (or metal drum), 27 wood overpack or metal drums/wood pallet	None	<a href="#">1/Wood Overpack</a>
1365-01-096-1455	M4A2	Packaged 1 smoke pot/metal drum, 1 drum/wooden box, 12 boxes/wood pallet	1/Metal Drum	1/Wooden Box



# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<b>NSN 1365-00-598-5220</b>			
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Individual Item Inspection</a> and attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed Individual Item Inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to Individual Item Inspection. Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedures for disposition if lot number cannot be determined.	(2) (3)
Severe punctures that appear to penetrate both outer and inner container, crushed container	Major	Proceed Individual Item Inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Individual Item Inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, hasps, etc.) used to secure the outer container	Minor	Proceed to Individual Item Inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	
<b>NSN 1365-01-096-1455</b>			
Lot number missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined. Correct markings as required.	(1)
Other markings missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized container prior to storage. Follow local ASP procedures for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate both outer and inner container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
Opened containers or damaged/missing hardware (sallee closures, seals, hinges, hasps, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

(1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).

(2) Non-standard or non-unit containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than authorized ammunition containers.

(3) Follow local ASP procedures for securing and storing the ammunition if the outer container is missing or

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Lot number missing or illegible	Major	Proceed to Individual Item inspection and attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined. Correct markings as required.	(1)
Other markings missing, illegible, or incorrect	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
Severe punctures that appear to penetrate container or crushed container	Major	Proceed to Individual Item inspection.	(2)
Dents, buckles, heavy rust/corrosion, or other surface damage	Minor	Proceed to Individual Item inspection.	(2)
Opened container or missing factory seals	N/A	Proceed to Individual Item inspection.	
Handle missing or damaged	Minor	Follow local ASP procedure for disposition.	
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

- (1) Prior to repackaging and returning to storage, ensure that the DODIC, lot number, NSN, and quantity on the inner containers match the markings on the outer container.
- (2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

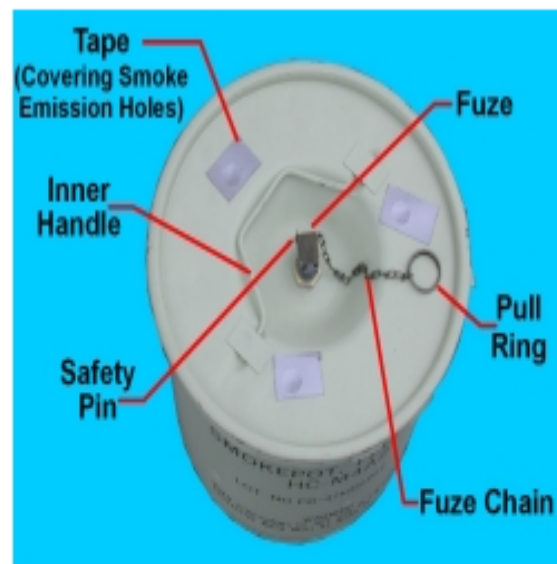
# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Safety pin</a> missing, loose, or improperly installed	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition. Notify OIC/NCOIC immediately.	
<a href="#">Fuze</a> type incorrect (only E14 or M207A1 Fuze authorized)	Critical	Follow local ASP procedures for disposition.	
Body with dents or crimped edges on surface exposing filler	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Major rust or corrosion (rust scale or pitting) of exterior surfaces	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Fuze damage	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<a href="#">Lot number</a> incorrect, illegible, or missing	Major	Attempt to determine missing information. Correct markings as required. Follow local ASP procedures.	(1)
<a href="#">Tape</a> covering smoke emission hole missing, loose, or damaged	Minor	Replace if possible. If not, place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Outer cover <a href="#">ring clamp</a> damaged, <a href="#">outer cover handle</a> missing or damaged; <a href="#">inner handle</a> missing or damaged	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<a href="#">Fuze chain and pull ring</a> damaged or missing	Minor	Repair damaged chain and/or pull ring if possible. Otherwise, follow local ASP procedures for disposition.	
Minor rust, body with dents on crimped edges but not exposing filler	Minor	Repack the ammunition. Follow local ASP procedures for securing the ammunition for storage.	
No defects	N/A	Repack the ammunition. Follow local ASP procedures for securing the ammunition for storage.	

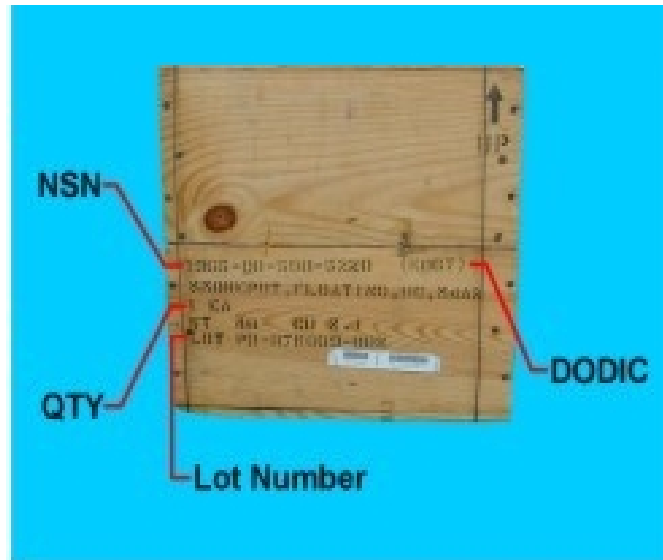
(1) Prior to repackaging and returning to storage, ensure that the [lot number](#) match the outer container.



# VISUALS



### Inner Container with Markings (DODIC K867)



### Outer Container with Markings (DODIC K867)



Opened Outer Container  
(DODIC K867)

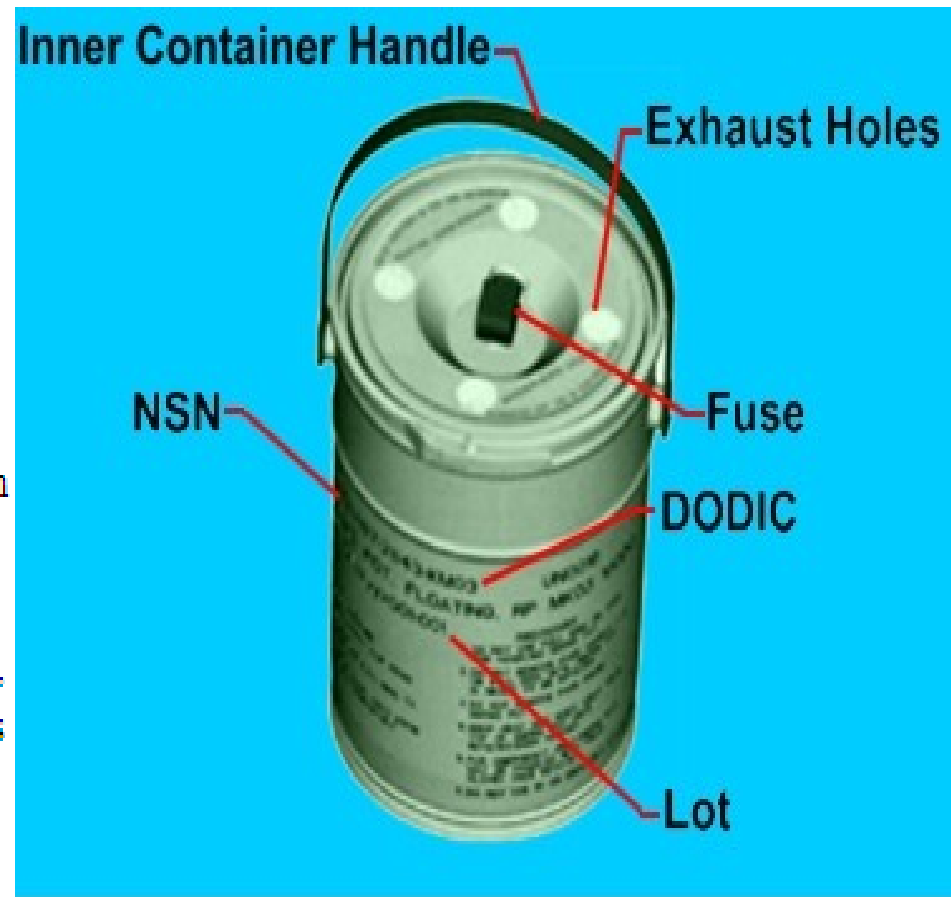
# REFERENCES

MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use

# MK7 MOD0 FLOATING SMOKE POT (KM03)

## Item Description

The Floating Smoke Pot (FSP), MK7 MOD0 (DODIC KM03) screens personnel and equipment on the battlefield both on land and on the water for littoral or river screening operations. The FSP consists of a covered steel pail, approximately 33 centimeters (13 inches) high and 28 centimeters (11 inches) in diameter. The steel pail is filled with approximately 8Kg (17.6 lbs) of Red Phosphorous (RP) smoke mixture pressed into discs stacked in five columns within the FSP. Between the columns of (RP) smoke mixture, the FSP is filled with non-toxic inflammable foam that insulates and provides the buoyant characteristics of the FSP. The FSP is shipped in a protective steel drum, called a hobbock, in a "ready to use" configuration with the initiating fuze installed into the FSP.



**Floating Smoke Pot  
MK7 MOD 0 (DODIC KM03)**

# SAFETY & PACKAGING

## Safety Precautions

### WARNING

Phosphine gas can be generated from the decomposition processes of Red Phosphorus. Phosphine gas may be present inside the fiber tubes, wooden boxes or ammunition cans. Refer to AIN 026-2003 for additional information

### CAUTION

Do not inhale the smoke generated inhalation of the smoke may cause irritations or cauterizations.

The DODIC KM03 is classified as 1.3G munitions and is safe to handle using standard precautions.



## Packaging

The packaging configuration for DODIC KM03 is given in the Packaging Configuration Table below.

# PALLET INSPECTION CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Lot number missing or illegible	Major	Proceed to <a href="#">Outer Container inspection</a> and attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined. Correct markings as required.	(1)
Other markings missing, illegible, or incorrect	Minor	Proceed to Outer Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Broken banding or improper banding	Major	Reband pallet	
Improper pallet build (stacked too high or too wide)	Major	Reband pallet with proper stacking of boxes	
Severely dented or punctured metal drums on pallet	Major	Proceed to Outer Container inspection and attempt to determine missing information. Correct markings as required. If item is exposed, then remove Severely dented or punctured and inspection item as described <a href="#">individual item</a>	
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined	(2), (3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for securing and storing the ammunition if the outer container is missing or unserviceable and cannot be replaced.

# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Individual Item Inspection</a> and attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed Individual Item Inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to Individual Item Inspection. Repackage with authorized ammunition containers prior to storage or issue. Follow local ASP procedure for disposition if lot number cannot be determined.	(2) (3)
Severe punctures that appear to penetrate both outer and inner container	Major	Proceed Individual Item Inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, hasps, etc.) used to secure the outer container	Minor	Proceed to Individual Item Inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) At a minimum, the markings should include the [DODIC](#), [lot number](#), [NSN](#), and [quantity](#).

(2) Non-standard or non-unit containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than authorized ammunition containers.

(3) Follow local ASP procedures for securing and storing the ammunition if the outer container is missing or unserviceable and cannot be replaced.

# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Heavy rust or corrosion	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	(1)
Non-unit pack	N/A	Follow local ASP procedure for securing a light box.	(2)
No defects	N/A	Repack the ammunition. Follow local ASP procedures for securing the ammunition for storage.	

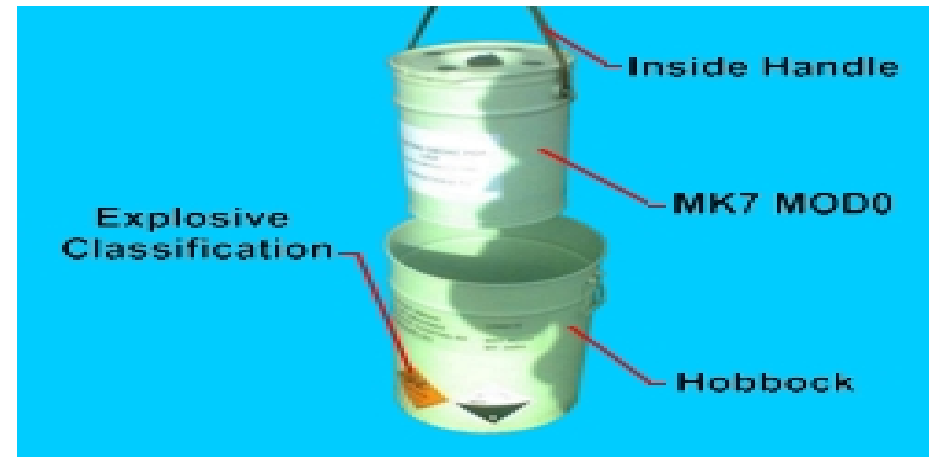
## Notes:

- (1) Prior to repackaging and returning to storage, ensure that the lot number match the outer container.
- (2) Follow local ASP procedures for securing and storing the ammunition if the packing material is missing or unserviceable and cannot be replaced.

# VISUALS



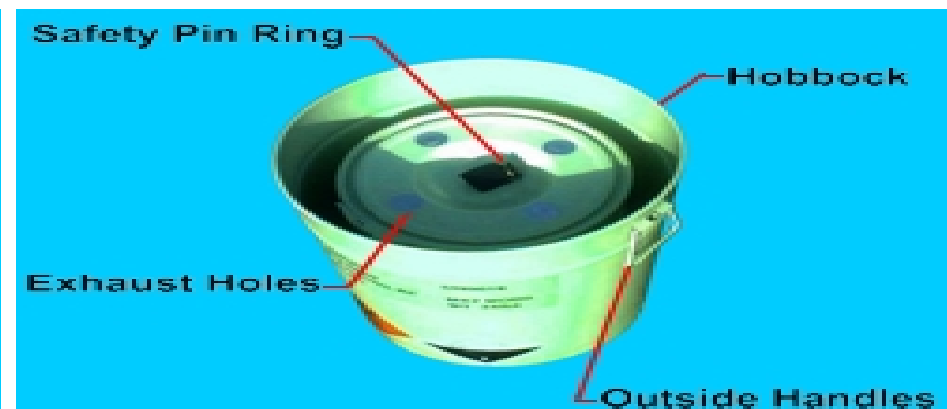
**Palletized Load  
(DODIC KM03)**



**Individual Item  
(DODIC KM03)**



**Outer Container  
(DODIC KM03)**



**Opened Outer Container  
(DODIC KM03)**



# REFERENCES

MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
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TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use

PYROTECHNICS

**SIGNAL**

# Signal, Smoke and Illumination, Marine Orange-Red MK13 Mod 0 (L275)

## Item Description

The Signal, Smoke and Illumination Marine Orange-Red MK13 Mod 0 (DODIC L275) is used for either day or night signaling, as appropriate, by personnel on land or sea. Its weight (6.4 ounces) and its small size permit it being carried in life vests or flight suit pockets and on life rafts. It emits orange smoke for day use and a red flame for night use. Burning time for each is approximately 20 seconds.

This signal consists of a metal cylinder approximately 5-inches long and slightly more than 1.5-inches in diameter each end of which is fitted with a protective plastic cap. The cap on the flame (night) end is molded so that there are three prominent protrusions or beads across its face. These beads positively identify this end, by the sense of touch, for nighttime use.

The face of the cap at the smoke end is smooth. A label adhered to the outer surface around the whole body of the signal further identifies the smoke (day) and flame (night) end and provides precise instructions for use. Beneath each plastic end cap is a pull ring to which is tied a nylon cord or lanyard. A large washer on the cord at the flame end provides additional identification in darkness. The pull ring at each end is attached to a pull strip seal which, in turn, is attached to a friction wire that extends inward through a pull wire igniter cup containing ignition composition.



**Signal, Smoke and Illumination Marine  
Org-Red MK13 Mod 0 (DODIC L275)**

# SAFETY & PACKAGING

## Safety Precautions

### WARNING

Prior to handling, ensure that the protective caps are in place on both ends of the signal. Do not tamper with or remove the protective plastic caps. Notify OIC/NCOIC immediately if a signal is missing protective caps

### WARNING

Do not tamper with the pull ring if the protective plastic seal is missing.

The DODIC L275 is classified as 1.4G munitions and is safe to handle using standard precautions.



## Packaging

The DODIC L275 is packaged in different configurations. The total quantity in each shipping container varies depending on the NSN. The packaging configurations for DODIC L275 are given in the Packaging Configuration Table below. NSN 1370-00-309-5028 is shown for illustration.

# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (salle closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

**Notes:**

(1) At a minimum, the markings should include the [DODIC](#), [lot number](#), [NSN](#), and [quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for securing and storing the ammunition if the outer container is missing or unserviceable and cannot be replaced.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
Severe punctures that appear to penetrate container or crushed container or crushed container	Major	Proceed to Individual Item inspection.	(2)
Dents, buckles, heavy rust/corrosion, or other surface damage	Minor	Proceed to Individual Item inspection.	(2)
<a href="#">Opened container</a> or missing factory seals	N/A	Proceed to Individual Item inspection.	
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.

(2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

# INDIVIDUAL ITEM CHECKLIST

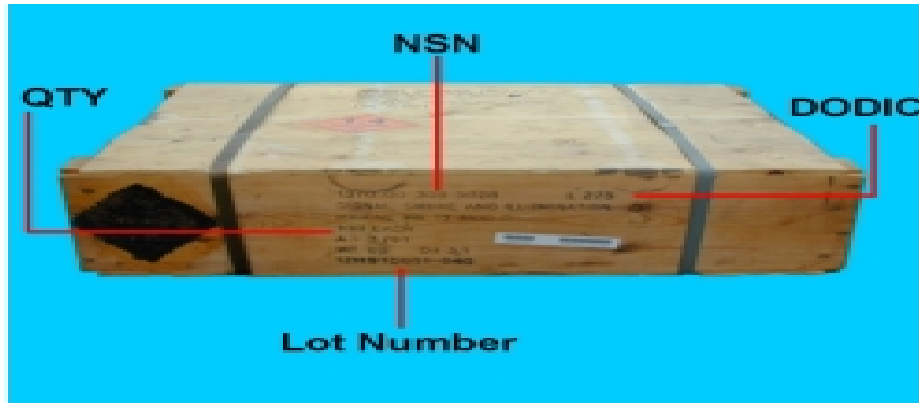
Defect Description	Defect Category	Recommended Action	Notes
Fiberboard box, <a href="#">separators</a> missing or damaged	Minor	Replace if possible.	(1)
Fiberboard box, separators wet/damp	Major	Inspect signal. If signal is wet/damp or moisture contamination is suspected, place defective ammunition in a holding area. Follow local ASP procedure for disposition.	(1)
Crushed, cracked to extent that explosive is exposed	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Dents, buckles, heavy rust/corrosion, or other surface damage to the extent that the signal can not be used	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Heavy corrosion of body	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Missing <a href="#">protective caps</a>	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Wet/damp, caked with mud or dirt	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Missing <a href="#">instruction label</a>	Major	Replace if possible. If not, place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Non-unit pack	N/A	Follow local ASP procedure for storing a light box.	
No defects	N/A	Repack the ammunition. Follow local ASP procedures for securing the ammunition for storage.	

**Note:**

*(1) Follow local ASP procedures for securing and storing the ammunition if the packing material is missing or unserviceable and cannot be replaced.*



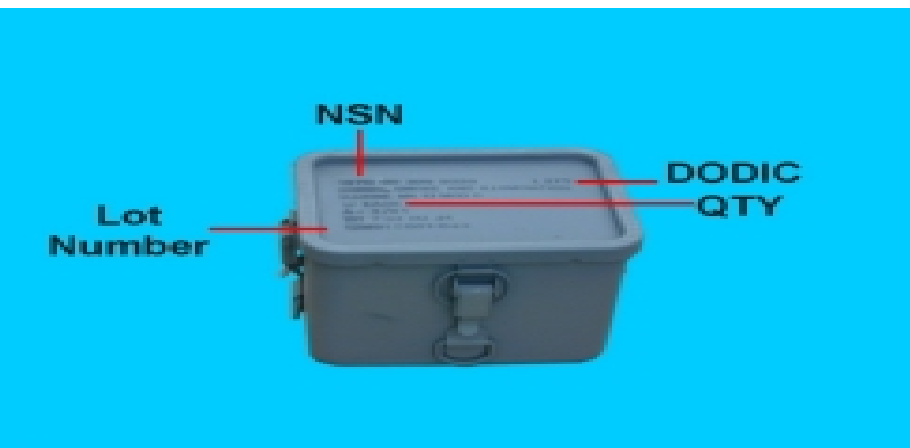
# VISUALS



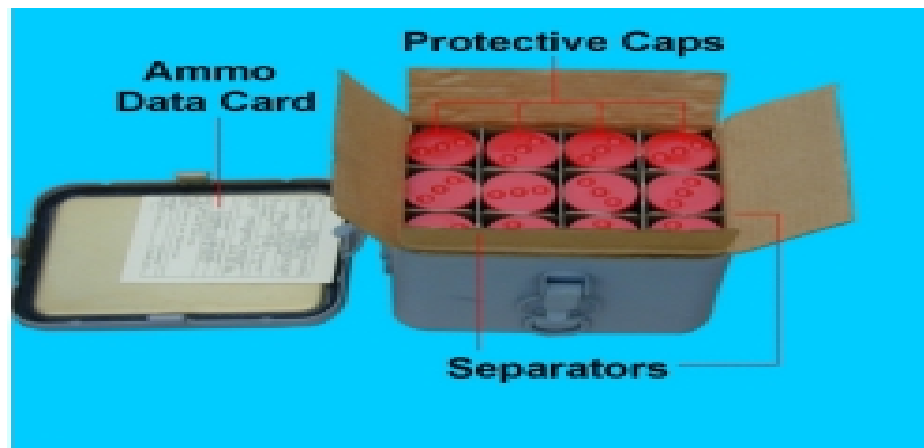
**Outer Container with Markings (DODIC L275)**



**Opened Outer Container (DODIC L275)**



**Inner Container with Markings (DODIC L275)**



**Opened Inner Container (DODIC L275)**



# REFERENCES

MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
SW050-AB-MMA-010	Pyrotechnic, Screening, Marking and Countermeasure Devices
TM 43-0001-37	Army Ammunition Data Sheets for Military Pyrotechnics
TM 9-1370-203-20	Organizational Maintenance Manual for Pyrotechnics
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use

# Signal, Smoke and Illumination Marine MK124 Mod 0 (L283)

## Item Description

The Signal, Smoke and Illumination Marine MK124 Mod 0 is used for either day or night signaling, as appropriate, by personnel on land or sea. The signal is a one-handed operable device, intended for rescue use. Its light weight (237 grams) and small size permits it to be carried in life vests or flight suit pockets and on life rafts.

This signal consists of an aluminum case that is 5.376 inches long and 1.638 inches in diameter; each end is provided with a protective cap. The case has two raised beads around its circumference on the flare (night) end. These beads positively identify the flare end, by the sense of touch, for night-time use. A label attached to the outer surface of the case further identifies the smoke (day) and flare (night) ends and provides precise instructions for use.

The case contains four sub assemblies; smoke candle, smoke igniter, flare candle, and flare igniter. The igniter is one hand operable and consists of an arming lever that must be extended before functioning and a mechanism that cocks then releases the firing pin.



Signal, Smoke and Illumination Marine  
MK 124 Mod 0 (DODIC L283)

# SAFETY & PACKAGING

## Safety Precautions

### WARNING

Ensure that the protective caps are in place on the signal prior to handling. Do not tamper with or remove the protective plastic caps

The DODIC L283 is classified as 1.4G munitions and is safe to handle using standard precautions. Notify OIC/NCOIC immediately if any signal is found to have its protective cap missing.



## Packaging

The DODIC L283 is packaged in different configurations. The total quantity in each shipping container varies depending on the NSN. The packaging configurations for DODIC L283 are given in the Packaging Configuration Table below. NSN 1370-01-144-3561 is shown for illustration.

# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) At a minimum, the markings should include the [DODIC](#), [lot number](#), [NSN](#), and [quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for securing and storing the ammunition if the outer container is missing or unserviceable and cannot be replaced.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Correct markings as required. Inspect the inner containers to verify correct markings.	(1)
Punctures that appear to penetrate container, crushed container	Major	Proceed to Individual Item inspection.	(2)
Rust, corrosion, or other cosmetic damage	Minor	Proceed to Individual Item inspection.	(2)
<a href="#">Opened containers</a> or damaged, missing hardware, seals, hinges, etc., used to secure the outer container	Minor	Proceed to Individual Item inspection.	(2)
<a href="#">Desiccant</a> missing/damaged	Minor	Replace if possible. Follow local ASP procedures for securing the ammunition for storage.	
<a href="#">Humidity indicator</a> damaged	Minor	Replace if possible. Follow local ASP procedures for securing the ammunition for storage.	
Humidity indicator missing/indicates moisture contamination	Minor	Replace if possible. Follow local ASP procedures for securing the ammunition for storage.	
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

**Notes:**

(1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.

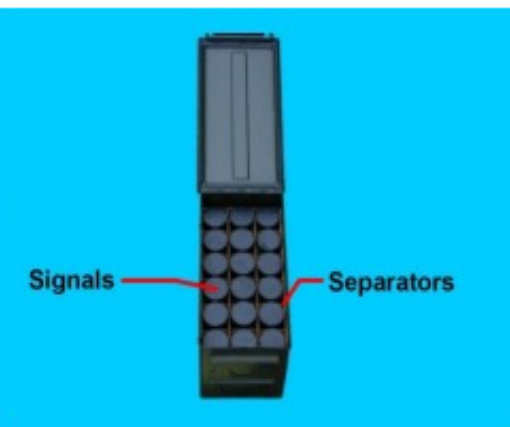
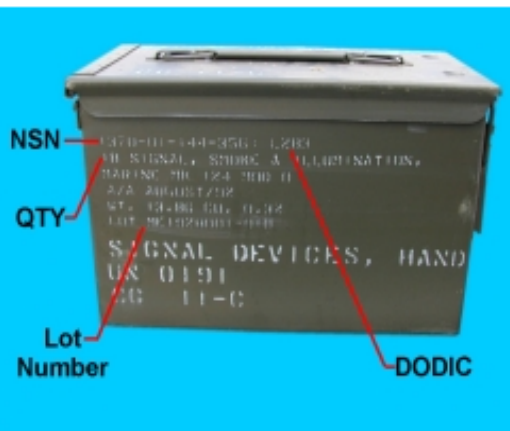
(2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced

# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to individual item inspection and attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined.	
Crushed, cracked to extent that explosive is exposed	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Dents, buckles, heavy rust/corrosion, or other surface damage to the extent that the signal can not be used	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Missing <a href="#">protective caps</a>	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Missing instructional label	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Wet/damp, caked with mud or dirt	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Non-unit pack	N/A	Follow local ASP procedure for securing a light box.	
No defects	N/A	Repack the ammunition. Follow local ASP procedures for securing the ammunition for storage.	



# VISUALS



Outer Container with Markings (DODIC L283)

Opened Outer Container (DODIC L283)

# REFERENCES

MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
SW050-AB-MMA-010	Pyrotechnic, Screening, Marking and Countermeasure Devices
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use



PYROTECHNICS

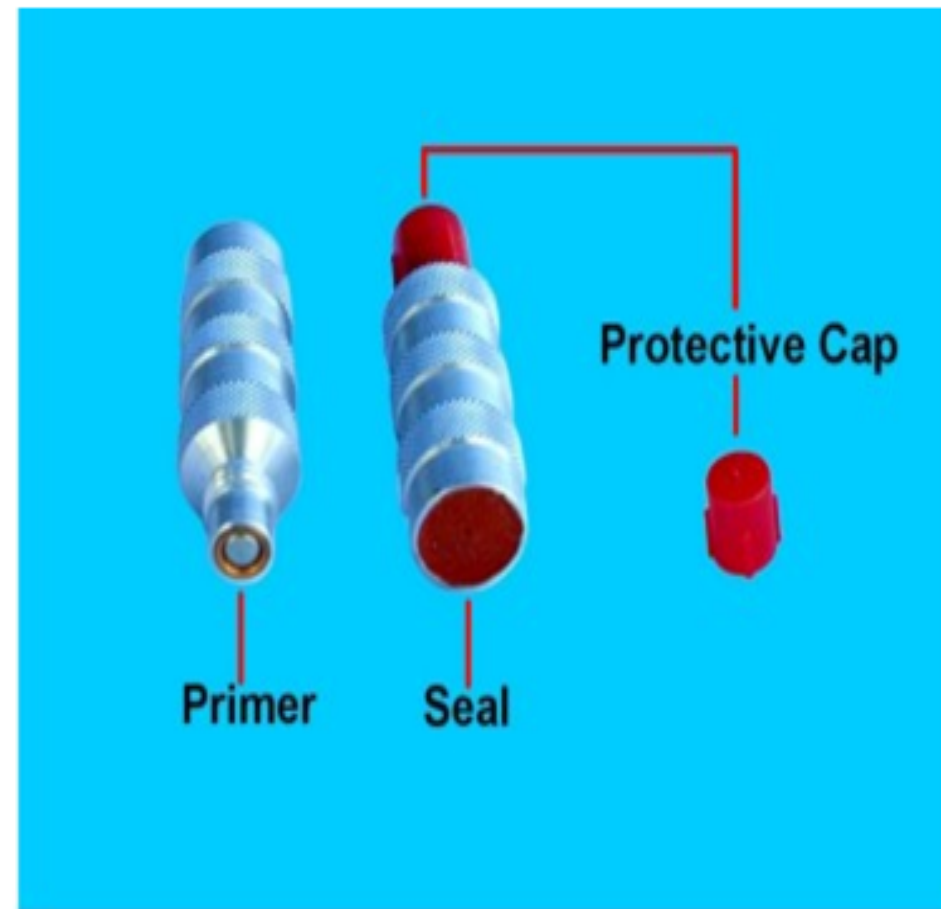
**FLARES**

# Signal, CartridgeS for use with Launcher LX11

## Item Description

The Signal, Cartridge White Flare (DODIC L302) for use with Launcher LX11 is used for either day or night signaling by personnel on land or sea. Its lightweight and small size permits it to be carried in life vests or flight suit pockets and on life rafts.

This signal consists of a metal cylinder that is coned and threaded (on the aft end). The threads attach the signal to the LX11 Launcher. The coned end is fitted with a primer that is protected by a small cap that is removed prior to use. When the primer is struck by the firing pin contained in the launcher, the signal projects a white flare to a minimum elevation of 250 feet. The flare has a minimum burn time of 4.5 seconds.



Signal, Illumination Ground White Flare  
(DODIC L302)

# VARIATIONS

- L302 Signal, Cartridge White Flare
- L303 Signal, Cartridge Yellow Flare
- L304 Signal, Cartridge Green Flare
- L328 Signal, Cartridge Red Flare

# SAFETY & PACKAGING

## Safety Precautions

### WARNING

Prior to handling, ensure that the protective cap is in place over the primer. Do not tamper with or remove the protective cap.

The DODIC L302 is classified as 1.3G munitions and is safe to handle using standard precautions.



## Packaging

The packaging configuration for DODIC L302 is given in the Packaging Configuration Table below.

**Packaging Configuration Table**

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1370-00-453-9904</a>	None	Packaged <a href="#">5 signals/plastic bag</a> , 70 bags/M2A1 Metal Container, 2 containers/wirebound wooden box, no palletization data	<a href="#">350/M2A1 Metal Container</a>	<a href="#">700/Wooden Box</a>
1370-00-514-2597	None	Packaged 10 signals/plastic bag, 50 bags/wirebound wooden box, no palletization data	10 /plastic bag	500/Wooden Box

# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for securing and storing the ammunition if the outer container is missing or unserviceable and cannot be replaced.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Attempt to determine missing information. Follow local ASP procedure for disposition if missing information cannot be determined. Correct markings as required.	(1)
Severe punctures that appear to penetrate container or crushed container or crushed container	Major	Proceed to <a href="#">Individual Item inspection</a> .	(2)
Dents, buckles, heavy rust/corrosion, or other surface damage	Minor	Proceed to Individual Item inspection.	(2)
<a href="#">Opened container</a> or missing factory seals	N/A	Proceed to Individual Item inspection.	
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.

(2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

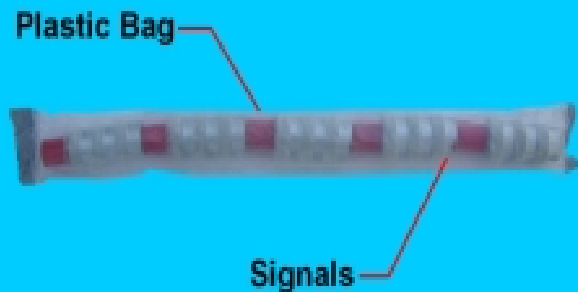
# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Missing <u>packaging</u> , crushed, torn, or damaged	Minor	Visually inspect ammunition. Repack as required if serviceable.	(1)
Wet/damp packaging material	Major	Remove packaging and visually inspect ammunition. Do not repack ammunition with wet packaging material.	(1)
Signal crushed, cracked to extent that explosive is exposed	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Dents, buckles, splits or other surface damage	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Heavy corrosion of body	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Missing <u>protective cap</u>	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<u>Primer</u> dented, missing, cocked	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Primer inverted	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Wet/damp, caked with mud or dirt	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Non-unit pack	N/A	Follow local ASP procedure for securing a light box.	
No defects	N/A	Repack the ammunition. Follow local ASP procedures for securing the ammunition for storage.	

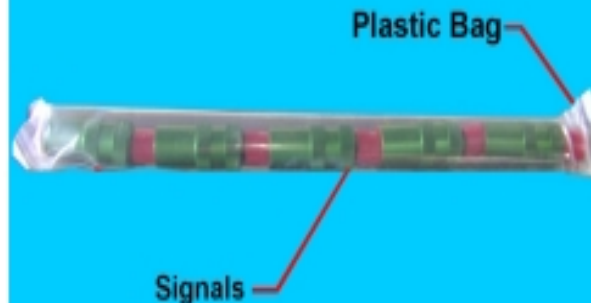
## **Note:**

*(1) Follow local ASP procedures for securing and storing the ammunition if the packing material is missing or unserviceable and cannot be replaced.*

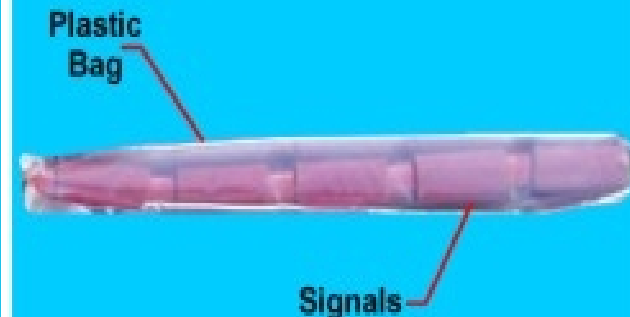
# VISUALS



**Sealed Plastic Bag  
(DODIC L302)**



**Signals Inside Sealed  
Plastic Bag (DODIC L304)**



**Signals in Sealed  
Bag (DODIC L328)**



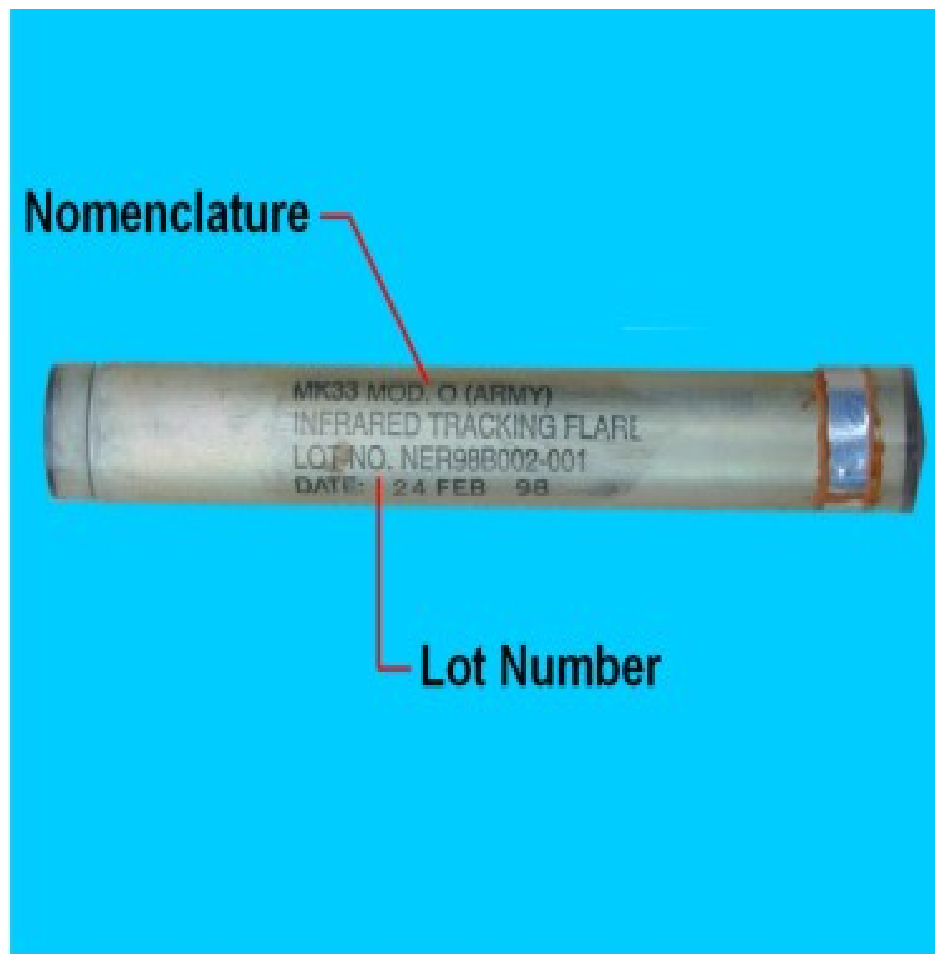
# REFERENCES

MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
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TM 43-0001-37	Army Ammunition Data Sheets for Military Pyrotechnics
TM 9-1370-203-20	Organizational Maintenance Manual for Pyrotechnics
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use

# Flare, Ballistic Aerial Target (L477)

## Item Description

The Flare, Ballistic Aerial Target (DODIC L477) consists of a steel case that houses the flare composition. The steel case contains holes projecting radially at one end with aluminum tape used as a sealer over them. The flare is approximately 9 inches long and 1 inch in diameter. The flare composition consists of magnesium, Teflon, and a rubber binder. The flare is strapped to a 2.75-inch rocket motor to increase the rockets infrared signature. The rocket motors and flares are launched to provide an aerial target during air defense gunnery training.



Flare, Ballistic Aerial Target  
(DODIC L477)

# SAFETY & PACKAGING

## Safety Precautions

The DODIC L477 is classified as 1.3G explosives and is safe to handle using standard precautions.



## Packaging

The packaging configuration for DODIC L477 is given in the Packaging Configuration Table below.

**Packaging Configuration Table**

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1370-01-208-0686</a>	MK33 Mod 0	Packaged 25 flares/M2A1 Metal Container, 2 containers/ wirebound wooden box, no palletization data.	<a href="#">25/M2A1 Metal Container</a>	<a href="#">50/Wooden Box</a>

# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Lot number missing or illegible	Major	Proceed to <u>Inner Container inspection</u> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
Other markings missing, illegible, or incorrect	Minor	Proceed to <u>Inner Container inspection</u> and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <u>Individual Item inspection</u> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to <u>Inner Container inspection</u> .	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to <u>Inner Container inspection</u> .	(3)
Opened containers or damaged/missing hardware (sallee closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to <u>Inner Container inspection</u> .	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

- (1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).
- (2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.
- (3) Follow local ASP procedures for securing and storing the ammunition if the outer container is missing or unserviceable and cannot be replaced.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Lot number missing or illegible	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined. Correct markings as required.	(1)
Other markings missing, illegible, or incorrect	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
Severe punctures that appear to penetrate container or crushed container or crushed container	Major	Proceed to Individual Item inspection.	(2)
Dents, buckles, heavy rust/corrosion, or other surface damage	Minor	Proceed to Individual Item inspection.	(2)
Opened container or missing factory seals	N/A	Proceed to Individual Item inspection.	
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.

(2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

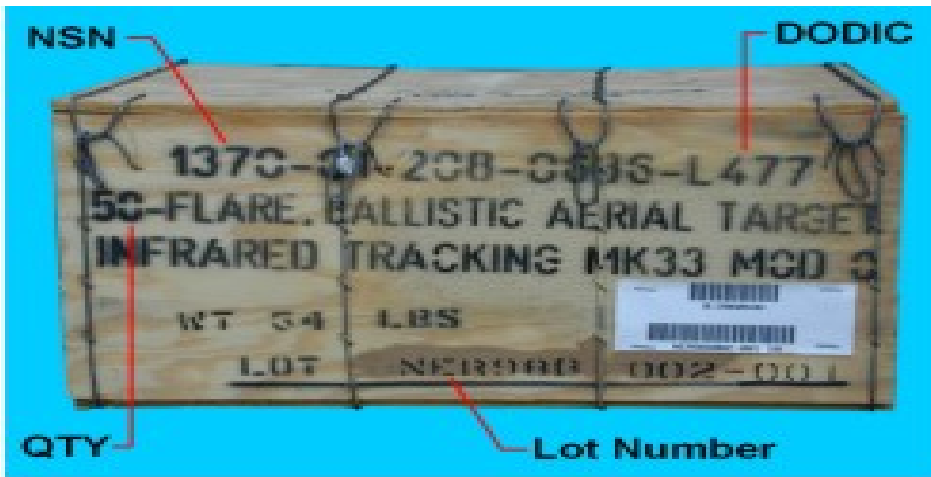
# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Lot number missing or illegible	Major	Follow local ASP procedure for disposition if lot number cannot be determined.	(1)
Crushed flare to extent that explosive is exposed	Critical	Place ammunition in a holding area. Follow local ASP procedure for disposition.	
Dents, buckles, heavy rust/corrosion, or other surface damage to the extent that the flare can not be used	Major	Place ammunition in a holding area. Follow local ASP procedure for disposition.	
Heavy corrosion of flare body	Major	Place ammunition in a holding area. Follow local ASP procedure for disposition.	
Wet/damp, caked with mud or dirt	Minor	Wipe clean and dry. Repack as required. Do not repack wet flares.	
Missing aluminum tape, holes obstructed	Major	Place ammunition in a holding area. Follow local ASP procedure for disposition.	
Non-unit pack	N/A	Follow local ASP procedure for securing a light box.	
No defects	N/A	Repack the ammunition. Follow local ASP procedures for securing the ammunition for storage.	

*Note:*

*(1) Prior to repackaging and returning to storage, ensure that the lot number matches the inner/outer container.*

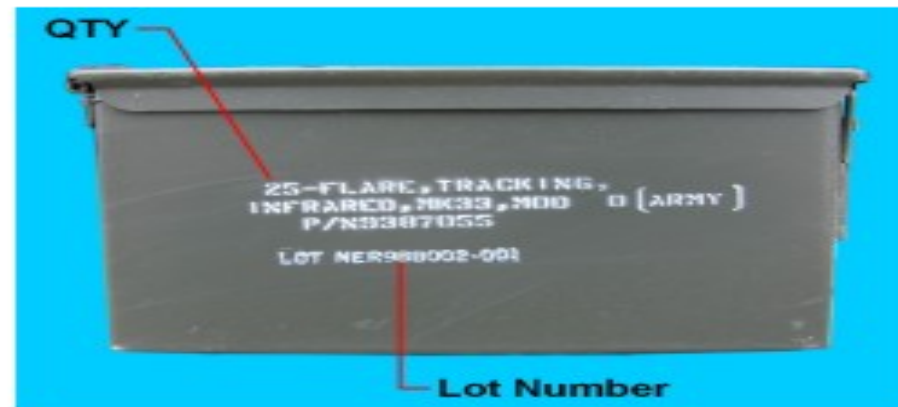
# visuals



Outer Container with Markings  
(DODIC L477)



Opened Outer Container  
(DODIC L477)



Inner Container with Markings  
(DODIC L477)



Opened Inner Container  
(DODIC L477)

# REFERENCES

MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
TM 43-0001-37	Army Ammunition Data Sheets for Military Pyrotechnics
TM 9-1370-203-20	Organizational Maintenance Manual for Pyrotechnics
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use



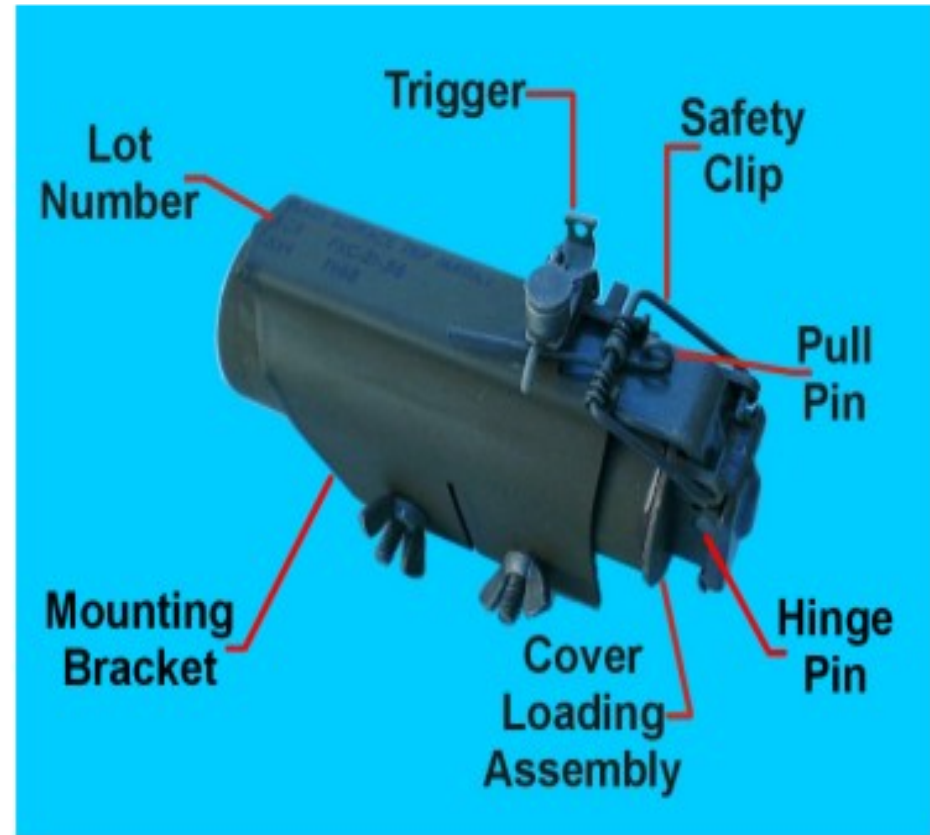
# Flare, Surface Trip M49/A1 Series (L495)

## Item Description

The Flare, Surface Trip M49/A1 (DODIC L495) consists of an illuminant assembly, cover loading assembly, and mounting bracket assembly. It is used to give warning of infiltrating troops by illuminating the field of the advancing enemy.

The waterproof cover loading assembly contains a spring-loaded striker, a percussion primer, and an intermediate charge. The mounting bracket holds the illuminant assembly in the position desired. The base of the bracket is pointed for in-ground installation. The trigger is attached to the exterior of the mounting bracket. The lever is hinged to the cover and is held in position by the safety clip when unarmed.

The flare is armed by attaching a trip wire to the trigger or pull pin. A pull on the trip wire causes either the trigger tongue or pull-pin to release the lever, which in turn permits the firing pin to strike the primer. The primer sets off the intermediate charge, and ignites the first-fire composition on the ignition increment of the flare.



**Flare, Surface Trip M49 Series  
(DODIC L495)**

# SAFETY & PACKAGING

## Safety Precautions

### WARNING

Ensure that the safety clip is in place and the mounting bracket assembly holds the lever in place prior to handling to avoid accidental functioning of the flare.

### WARNING

Flares found to have a loose cover loading assembly and missing safety clip are hazardous and should immediately be placed in a holding area for disposition. Handle with extreme care.

The DODIC L495 is classified as 1.3G munitions and is safe to handle using standard precautions.



## Packaging

The DODIC L495 is packaged in different configurations. The total quantity in each shipping container varies depending on the NSN. The packaging configurations for DODIC L495 are given in the Packaging Configuration Table below. NSN 1370-00-752-8060 is shown for illustration.

**Packaging Configuration Table**

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1370-00-752-8060</a>	M49A1	Packaged 32 flares/fiberboard box, 32 boxes/wooden box, 18 boxes/wood pallet	<a href="#">32/Fiberboard Box</a>	<a href="#">32/Wooden Box</a>
Obsolete 1370-00-554-1147	M49	Packaged 16 flares/wooden box, no palletization data.	None	16/Wooden Box

# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for disposition of containers that do not meet the above criteria.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Lot number missing or illegible on <a href="#">fiberboard box</a>	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedure if the lot number cannot be determined. Correct markings as required.	(1)
Other markings missing or illegible on fiberboard box	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
Small dents, wrinkles, and buckles on fiberboard box	Minor	Repack as required if unopened.	(2)
<a href="#">Opened Container</a> torn, or punctured	Minor	Proceed to Individual Item inspection.	(2)
Fiberboard box wet/damp, caked with mud/dirt	Major	Proceed to Individual Item inspection.	(2)
No defects	N/A	Follow local ASP procedure for securing ammunition.	

## Notes:

(1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.

(2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined.	(1)
<a href="#">Pull pin</a> missing or damaged	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<a href="#">Trip wire</a> missing or damaged	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<a href="#">Safety clip</a> missing, broken, incorrectly attached	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<a href="#">Hinge pin</a> misaligned	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<a href="#">Trigger assembly</a> (trigger, trigger pivot, trigger spring, trigger tongue), mounting bracket, missing or damaged	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<a href="#">Mounting bracket and/or hardware</a> missing or damaged	Major	Replace if possible. If not, place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Punctured, crushed flare exposing explosive	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Dents, buckles, heavy rust/corrosion,	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Non-unit pack	N/A	Follow local ASP procedure for securing a light box.	
No defects	N/A	Repack the ammunition. Follow local ASP procedures for securing the ammunition for storage.	

## **Note:**

(1) Prior to repackaging and returning to storage, ensure that the [lot number](#) matches the markings on the inner/outer containers.



# VISUALS



**Outer Container with Markings  
(DODIC L495)**



**Opened Outer Container  
(DODIC L495)**



**Inner Container with Markings  
(DODIC L495)**



**Opened Inner Container  
(DODIC L495)**

# REFERENCES

MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
SW050-AB-MMA-010	Pyrotechnic, Screening, Marking and Countermeasure Devices
TM 43-0001-37	Army Ammunition Data Sheets for Military Pyrotechnics
TM 9-1370-203-20	Organizational Maintenance Manual for Pyrotechnics
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use

pyrotechnics

**ILLUMINATING**



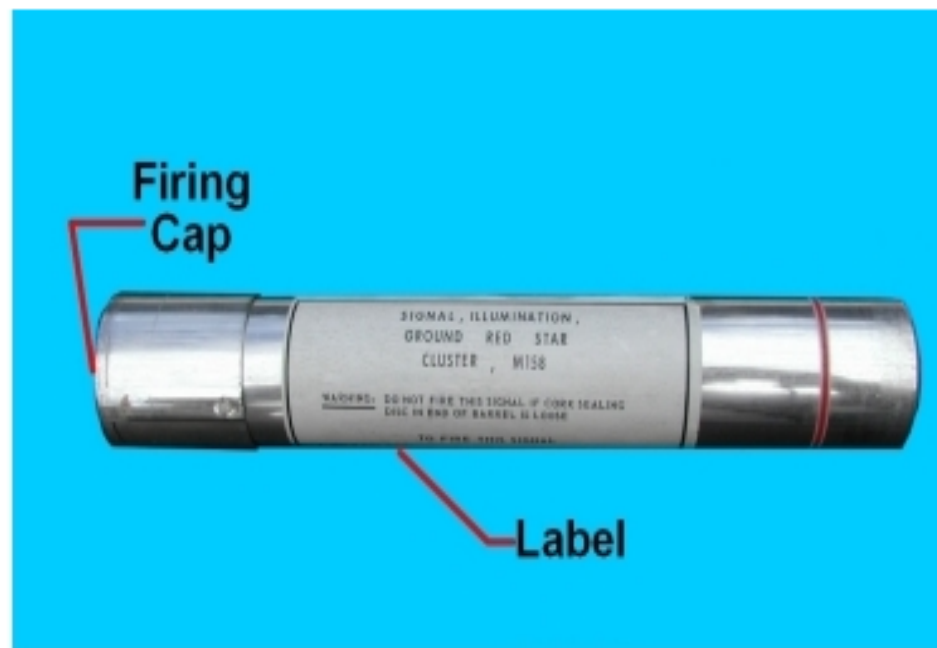
- L305 Signal, III green star parachute M195
- L306 Signal, III ground red star cluster
- L307 Signal, III ground white star cluster
- L311 Signal, III ground red star parachute
- L312 Signal, III ground white star parachute

# Signal, Illumination Ground

## Item Description

The Signal, Illumination Ground Red Star Cluster M158 (DODIC L306) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signals project to an altitude of approximately 700-800 feet and produce five illuminant "stars" that burn for 6 seconds (minimum).

The signal consists of a five star illuminant assembly and a rocket motor propulsion assembly contained in a hand held aluminum launching tube. The base of the launching tube contains a primer and initiating charge. As shipped, the firing pin cap is placed on the forward/open end and must be removed and placed on the primer end (indicated by a red colored stripe) for firing. Stabilizing fins on the rocket are folded parallel to the axis of the signal. A bolt, which transfers the initiating charge flash to the propellant, extends into the center of the solid propellant that fills the propulsion assembly. The five star illuminant assembly is mounted on top of the propulsion assembly but is separated from it by a delay assembly and expelling charge. The tube end is sealed with a red cork disk (rocket barrel seal). A label specifying firing procedures is secured to the body of the signal.



**Signal, Illumination Ground  
Red Star Cluster M158 (DODIC L306)**

# SAFETY & PACKAGING

## Safety Precautions

### WARNING

Prior to handling, ensure that the firing cap is not positioned over the primer.

### WARNING

Any signal received outside its individual container **MUST** have the primer protected at all times. Care must be taken to avoid striking the primer while handling the cartridge. The primer will function if struck. If there is no replacement container available, the primer shall be covered with a 2-inch by 2-inch piece of cardboard. The cardboard will be held in place by two 5-inch strips of tape positioned perpendicular to one another.

The DODIC L306 is classified as 1.3G munitions and is safe to handle using standard precautions.



## Packaging

The packaging configuration for DODIC L306 is given in the Packaging Configuration Table below.

**Packaging Configuration Table**

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1370-00 756 2591</a> <a href="#">1370-01-343-1966</a>	M158	Packaged 1 signal/M492 Metal Container, 36 containers/wooden box, 36 boxes/wood pallet	<a href="#">1/M492 Metal Container</a>	<a href="#">36/Wooden Box</a>

# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

- (1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).
- (2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.
- (3) Follow local ASP procedures for securing and storing the ammunition if the outer container is missing or unserviceable and cannot be replaced.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Individual Item procedure</a> and attempt to determine missing information. Follow local ASP procedure if the lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing or illegible	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
<a href="#">Opened container</a> , or missing cap (if plastic container)	Minor	Proceed to Individual Item inspection.	(2)
<a href="#">Identification marking missing or illegible</a>	Major	Proceed to Individual Item inspection and attempt to determine missing information. Follow local ASP procedures for disposition.	
Punctures, cracks, large dents, buckles, heavy rust/corrosion, or other surface damage to the extent that the signal can not be removed by hand	Major	Follow local ASP procedures for disposition.	(3)
Wet/damp container, caked with mud or dirt	Minor	Wipe clean and repack if unopened and undamaged. Do not repack wet containers.	
Small dents, wrinkles, and buckles	Minor	Repack as required if unopened.	
Missing <a href="#">key</a>	Major	Replace if possible. Otherwise, open the container with appropriate tool and issue as a loose round after inspection.	(2)
Missing cardboard separators	Minor	Replace if possible.	
No defects	N/A	Follow local ASP procedure for securing ammunition.	

## Notes:

(1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.

(2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

(3) If the container is damaged, it should be disposed of in accordance with the local ASP procedures.

# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<u>Lot number</u> missing or illegible	Major	Attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined.	(1)
<u>Other markings</u> missing, illegible, or incorrect	Minor	Attempt to determine missing information. Follow local ASP procedure for disposition if missing information cannot be determined.	(1)
Signal received with firing cap placed over primer	Critical	Remove cap and place on the open end of the signal.	
Moisture inside container	Major	Place defective ammunition in a holding area. Follow local ASP procedures for disposition.	
Missing, loose, or damaged rocket barrel seal	Critical	Tape the open barrel and place signal in holding area. Follow local ASP procedures for disposition	
<u>Primer</u> struck, loose, cocked	Major	Place defective ammunition in a holding area. Follow local ASP procedures for disposition.	
Punctured, crushed, rust, corroded body	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Primer inverted	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<u>Firing cap</u> missing	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Small dents, wrinkles, and buckles	Minor	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Wet/damp, caked with mud or dirt	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	

# INDIVIDUAL ITEM CHECKLIST

Non-unit pack	NA	Follow local ASP procedures for securing a light box.	
No defects	NA	Follow local ASP procedures for securing the ammunition for storage.	

*Note:*

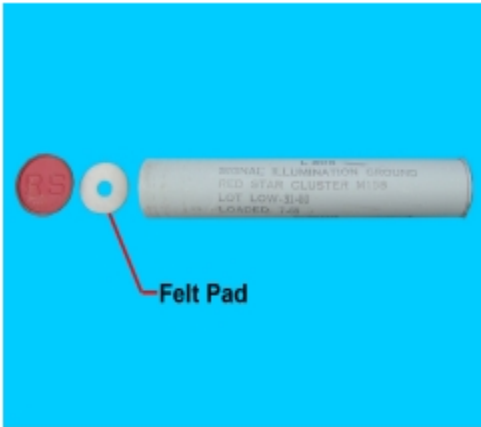
*(1) Prior to repackaging and returning to storage, ensure that the DODIC and lot number match the markings on the inner/outer containers.*



# VISUALS



Inner Container  
(DODIC L306)



Opened Inner Container  
(DODIC L306)



Identification Marking  
(DODIC L306)



Outer Container with Markings  
(DODIC L306)



Opened Outer Container  
(DODIC L306)



# REFERENCES

MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
SW050-AB-MMA-010	Pyrotechnic, Screening, Marking and Countermeasure Devices
TM 43-0001-37	Army Ammunition Data Sheets for Military Pyrotechnics
TM 9-1370-203-20	Organizational Maintenance Manual for Pyrotechnics
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use

PYROTECHNICS

**SMOKE**

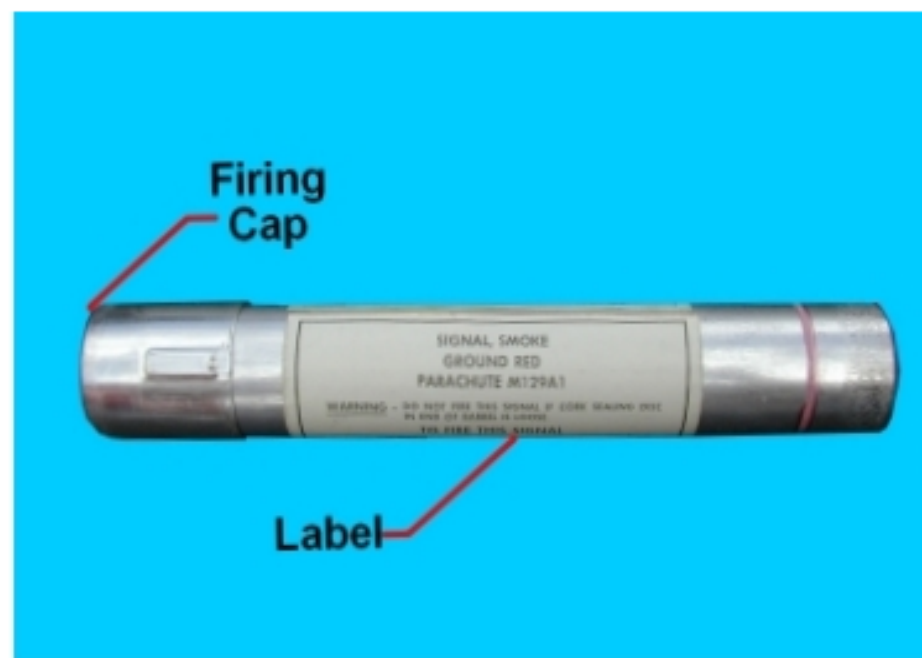
# Signal, Smoke Ground, PARACHUTE (L323/L324)

## Item Description

The Signal, Smoke Ground Red Parachute M129A1 (DODIC L323) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signal project to an altitude of approximately 700-800 feet, producing a parachute suspended smoke signal, which burns for 6 to 18 seconds.

The M129A1 Signal consists of a parachute suspended smoke composition element and a rocket motor propulsion assembly contained in a hand-held aluminum launching tube. The base of the launching tube contains a primer and an initiating charge. As shipped, the firing pin cap is placed on the forward/open end and must be removed and placed on the primer end (indicated by a red colored stripe) for firing.

Stabilizing fins on the rocket are folded parallel to the axis of the signal. A bolt, which transfers the initiating charge flash to the propellant, extends into the center of the solid propellant filling the propulsion assembly. The parachute/smoke composition element is mounted on top of the propulsion assembly with a delay assembly and an expelling charge between them. The parachute with suspension cords is packed on top of the smoke charge, and the tube end is sealed with a red cork disk (rocket barrel seal). A label specifying firing procedure is secured to the body of the signal.



Signal Ground Red Parachute  
M129A1 (DODIC L323)

# SAFETY & PACKAGING

## Safety Precautions

### WARNING

Prior to handling, ensure that the firing cap is not positioned over the primer.

### WARNING

Any signal received outside its individual container **MUST** have the primer protected at all times. Care must be taken to avoid striking the primer while handling the cartridge. The primer will function if struck. If there is no replacement container available, the primer shall be covered with a 2-inch by 2-inch piece of cardboard. The cardboard will be held in place by two 5-inch strips of tape positioned perpendicular to one another.

The DODIC L323 is classified as 1.3G munitions and is safe to handle using standard precautions.



## Packaging

The DODIC L323 comes in two models resulting in different NSNs. The type of container, quantity per container and pallet are the same for both NSNs. The packaging configurations for DODIC L323 are given in the Packaging Configuration Table below. NSN 1370-00-301-1132 is shown for illustration.

**Packaging Configuration Table**

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1370-00-301-1132</a>	M129A1	Packaged 1 signal/M492 Metal Container, 36 containers/wooden box, 36 boxes/wood pallet	<a href="#">1/M492 Metal Container</a>	<a href="#">36/Wooden Box</a>
1370-00-167-3922	M129A1/T75E1	Packaged 1 signal/M492 metal container, 36 containers/wooden box, 36 boxes/wood pallet	1/M492 Metal Container	36/Wooden Box

# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

- (1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).
- (2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.
- (3) Follow local ASP procedures for securing and storing the ammunition if the outer container is missing or unserviceable and cannot be replaced.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Individual Item procedure</a> and attempt to determine missing information. Follow local ASP procedure if the lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing or illegible	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
<a href="#">Opened container</a>	Minor	Proceed to Individual Item inspection.	(2)
<a href="#">Identification marking missing or illegible</a>	Major	Proceed to Individual Item inspection and attempt to determine missing information. Follow local ASP procedures for disposition.	
Punctures, cracks, large dents, buckles, heavy rust/corrosion, or other surface damage to the extent that the signal can not be removed by hand	Major	Follow local ASP procedures for disposition.	(3)
Wet/damp container, caked with mud or dirt	Minor	Wipe clean and repack if unopened and undamaged. Do not repack wet containers.	
Small dents, wrinkles, and buckles	Minor	Repack as required if unopened.	
Missing <a href="#">key</a>	Major	Replace if possible. Otherwise, open the container with appropriate tool and issue as a loose round after inspection.	(2)
Missing cardboard separators	Minor	Replace if possible.	
No defects	N/A	Follow local ASP procedure for securing ammunition.	

## Notes:

(1) Prior to repackaging and returning to storage, ensure that the [DODIC](#), [lot number](#), [NSN](#), and [quantity](#) on the inner containers match the markings on the outer container.

(2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

(3) Under no circumstance will a signal be forced out of its container by pounding, banging, prying, etc.

# INDIVIDUAL ITEM

## DEFECT LOG

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Attempt to determine missing information. Follow local ASP procedure for disposition if missing information cannot be determined.	(1)
Signal received with firing cap placed over primer	Critical	Remove cap and place on the open end of the signal.	
Moisture inside container	Major	Place defective ammunition in a holding area. Follow local ASP procedures for disposition.	
Missing, loose, or damaged rocket barrel seal	Critical	Tape the open barrel and place signal in holding area. Follow local ASP procedures for disposition	
<a href="#">Primer</a> struck, loose, cocked	Major	Place defective ammunition in a holding area. Follow local ASP procedures for disposition.	
Punctured, crushed, rust, corroded body	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Primer inverted	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<a href="#">Firing cap</a> missing	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Small dents, wrinkles, and buckles	Minor	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Wet/damp, caked with mud or dirt	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Non-unit pack	N/A	Follow local ASP procedures for securing a light box.	
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

### Note:

(1) Prior to repackaging and returning to storage, ensure that the DODIC and lot number match the markings on the inner/outer containers.



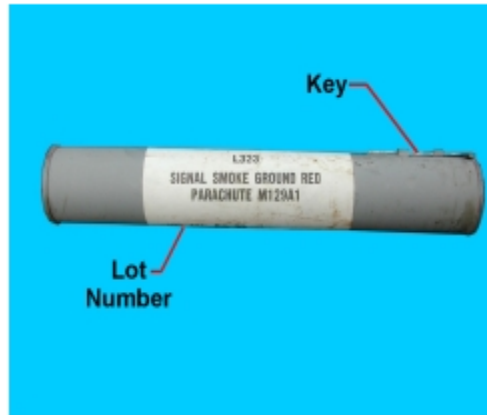
# VISUALS



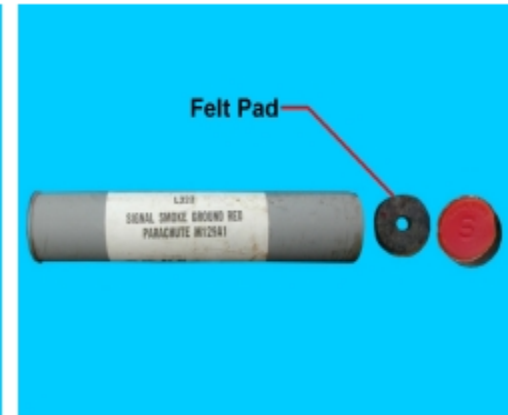
Outer Container with Markings  
(DODIC L323)



Opened Outer Container  
(DODIC L323)



Inner Container  
(DODIC L323)



Opened Inner Container  
(DODIC L323)



Primer  
(DODIC L323)



Identification Marking  
(DODIC L323)



# REFERENCES

MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
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SW050-AB-MMA-010	Pyrotechnic, Screening, Marking and Countermeasure Devices
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TM 9-1370-203-20	Organizational Maintenance Manual for Pyrotechnics
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use

PYROTECHNICS

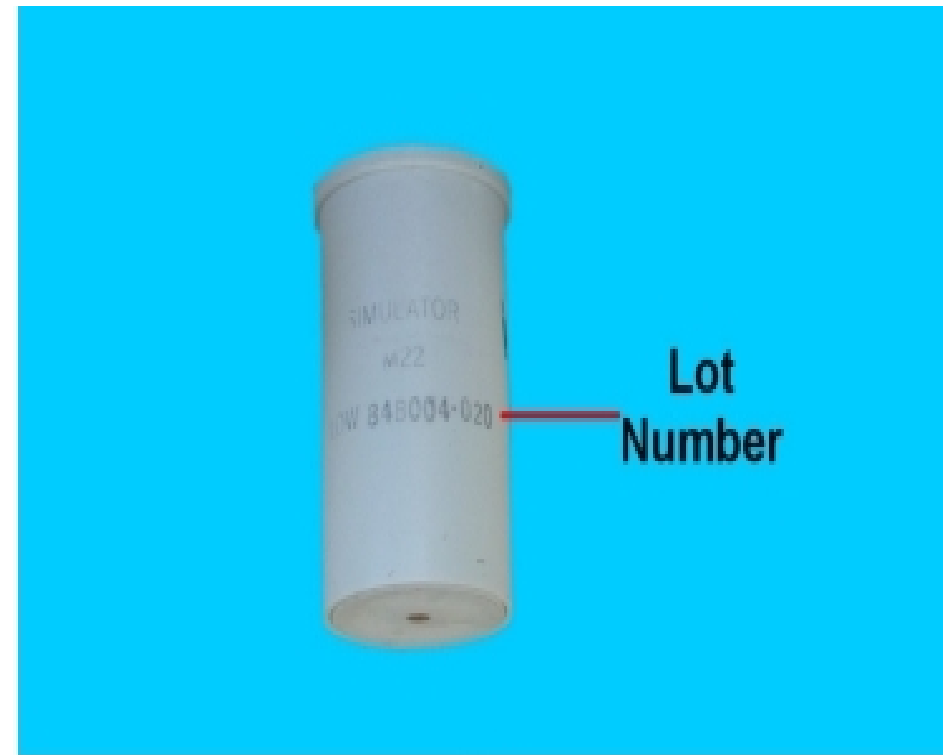
**SIMULATOR**

# Simulator Anti-Tank Weapons Effect (L367)

## Item Description

The Simulator Anti-Tank Weapons Effect (ATWESS) M22 (DODIC L367) is part of the Multiple Integrated Laser Engagement System (MILES). It is employed with the MILES, TOW, Dragon and Viper firing devices. It produces a credible simulation of the weapon signature including report, flash and smoke. The simulator is common to all three weapons and fires from a common firing device.

The simulator is a three-piece unit consisting of a cylindrical housing, a snap-in primer, and a snap-in closure disk. A preformed pellet of magnesium Teflon is coated with a first fire composition that accelerates ignition of the pellet and provides the smoke and flash.



**Simulator, Anti-Tank  
Weapons Effect M22 (DODIC L367)**

# SAFTEY & PACKAGING

## Safety Precautions

The DODIC L367 is classified as 1.3G explosives and is relatively safe to handle using standard precautions. Handle the simulator carefully. It contains a primer that is sensitive to impact.



## Packaging

The packaging configuration for DODIC L367 is given in the Packaging Configuration Table below.

**Packaging Configuration Table**

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1375-01-085-2601</a>	M22	Packaged 10 devices/fiberboard box in barrier bag, 15 bags/wirebound wooden box, 18 boxes/wood pallet	<a href="#">10/Fiberboard Box</a>	<a href="#">150/Wooden Box</a>
1370-01-229-8420	M22	Packaged 10 devices/fiberboard box in barrier bag ,24 bags/ Large fiberboard box	10/Fiberboard Box	240/Wooden Box

# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for disposition of containers that do not meet the minimum requirements.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Lot number missing or illegible on <a href="#">barrier bag</a>	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedure if the lot number cannot be determined. Correct markings as required.	(1)
Other markings missing or illegible on <a href="#">barrier bag</a>	Minor	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Correct markings as required.	(1)
Barrier bag wet/damp, caked with mud/dirt	Minor	Wipe clean and repack if unopened and undamaged. Do not repack wet containers.	
Barrier bag opened, torn, or punctured	Minor	Inspect fiberboard carton.	
Small dents, wrinkles, and buckles on fiberboard carton	Minor	Repack as required if unopened.	
<a href="#">Fiberboard box</a> opened, torn, or punctured	Minor	Proceed to <a href="#">Individual Item inspection</a> .	(2)
Fiberboard box wet/damp, caked with mud/dirt	Major	Proceed to <a href="#">Individual Item inspection</a> .	(2)
No defects	N/A	Follow local ASP procedure for securing ammunition.	

## Notes:

- (1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.
- (2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<u>Lot number</u> missing, illegible, or incorrect	Major	Attempt to determine lot number. If lot number cannot be determined, follow local ASP procedures for disposition.	(1)
Cracked or split simulator body exposing explosives	Critical	Place defective ammunition in holding area. Follow local ASP procedures for disposition.	
<u>Primer</u> inverted	Critical	Place defective ammunition in holding area. Follow local ASP procedures for disposition.	
Loose, cocked or missing primer	Major	Place defective ammunition in holding area. Follow local ASP procedures for disposition.	
<u>Closure disc</u> loose or missing	Major	Follow local ASP procedures for disposition.	
Wet/damp caked with mud or dirt.	Minor	Wipe clean and dry. Repack as required. Do not repack wet ammunition.	
Non-unit pack	N/A	Follow local ASP procedure for securing a light box.	
No defects	N/A	Repack the charges. Follow local ASP procedures for securing the ammunition for storage.	

**Note:**

(1) Prior to repackaging and returning to storage, ensure that the lot number match the inner/outer container.

# VISUALS



Outer Container  
with Markings (DODIC L367)



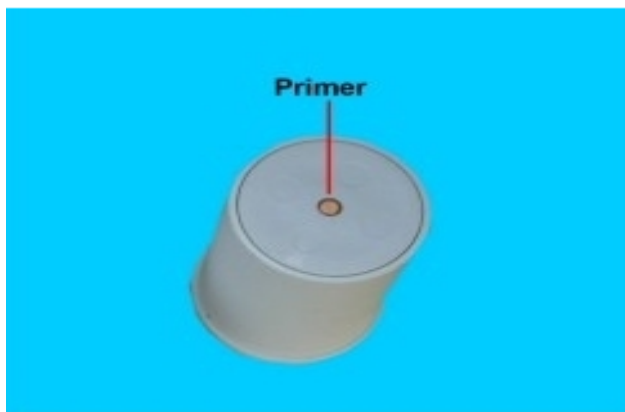
Opened Outer  
Container (DODIC L367)



Inner Container and Barrier  
Bag (DODIC L367)



Opened Inner  
Container (DODIC L367)



Primer  
(DODIC L367)



Closure Disc  
(DODIC L367)



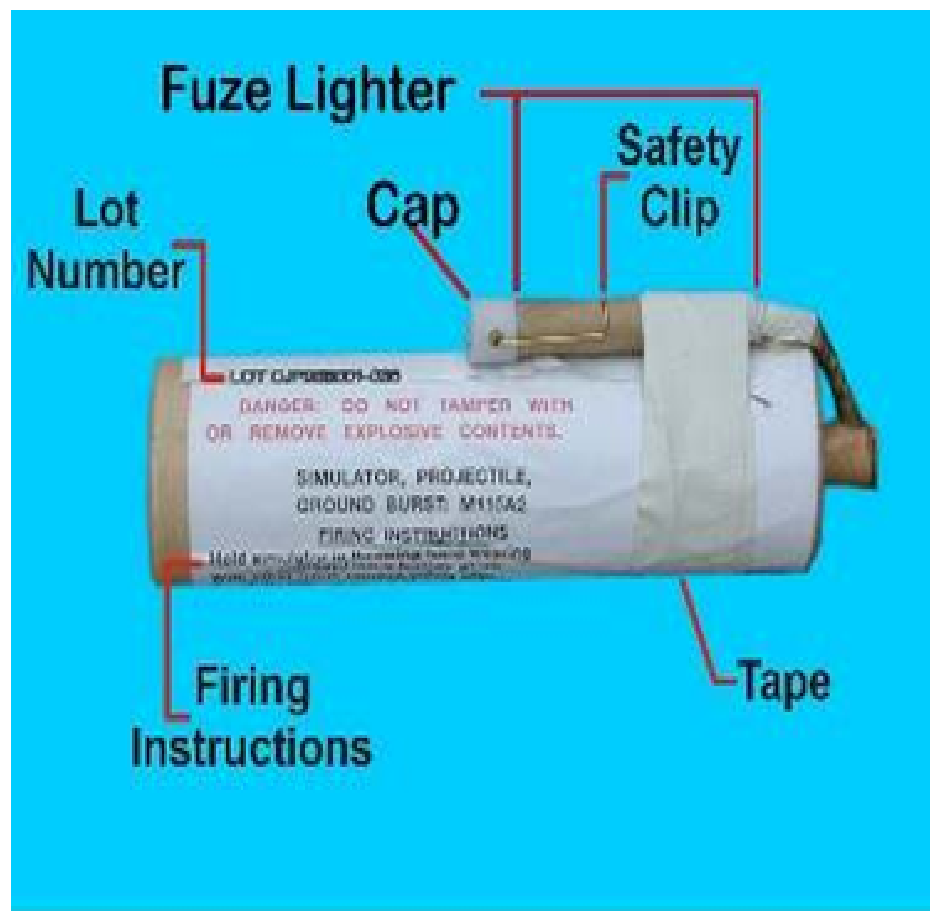
# REFERENCES

MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
TM 43-0001-37	Army Ammunition Data Sheets for Military Pyrotechnics
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use

# Simulator, Projectile Ground Burst (L594)

## Item Description

The Simulator, Projectile Ground Burst M115A2 (DODIC L594) is used to simulate battle noises and effects on land only (shells in flight and ground explosions) during maneuvers and troop training. This simulator consists of a cylindrical paper tube containing a photoflash charge and a whistle assembly. The whistle assembly, extending from one end of the photoflash charge, is a paper tube containing a slow burning whistle composition, and is joined to a fuse lighter by a length of safety fuse. The fuse lighter is the friction type M3A1 and is taped to the outside of the simulator. A safety clip through the cap of the fuse lighter prevents accidental detonation. A label giving firing instructions is attached to the outside of each simulator.



Simulator, Projectile Ground Burst  
M115A2 (DODIC L594)

# SAFETY & PACKAGING

## Safety Precautions

### WARNING

Do not tamper with safety clip or attempt to remove the cap when inspecting the individual item.

The DODIC L594 is classified as 1.2G munitions and is relatively safe to handle; however, all explosives are, by nature, sensitive to heat, friction and shock.



## Packaging

The packaging configurations for DODIC L594 are given in the Packaging Configuration Table below.

**Packaging Configuration Table**

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1370-00-752-8126</a>	M115A2	Packaged 5 simulators/fiberboard box in barrier bag, 20 bags/wirebound wooden box , 8 boxes/wood pallet	<a href="#">5/Fiberboard Box</a>	<a href="#">100/Wooden Box</a>

# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for disposition of containers that do not meet the above criteria.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Lot number missing or illegible on <a href="#">barrier bag</a> and/or <a href="#">fiberboard box</a>	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedure if the lot number cannot be determined. Correct markings as required.	(1)
Other markings missing or illegible on barrier bag and/or fiberboard box	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
Barrier bag wet/damp, caked with mud/dirt	Minor	Wipe clean and dry. Repack as required if unopened and undamaged. Do not repack wet containers.	(2)
Barrier bag opened, torn, or punctured	Minor	Inspect fiberboard box.	(2)
Small dents, wrinkles, and buckles on fiberboard box	Minor	Repack as required if unopened.	(2)
<a href="#">Fiberboard box</a> opened, torn, or punctured	Minor	Proceed to Individual Item inspection.	(2)
Fiberboard box wet/damp, caked with mud/dirt	Major	Proceed to Individual Item inspection.	(2)
No defects	N/A	Follow local ASP procedure for securing ammunition.	

## Notes:

(1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.

(2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Attempt to determine lot number. Follow local ASP procedure for disposition if lot number cannot be determined.	(1)
<a href="#">Firing instructions, warning labels</a> missing, illegible, or incorrect	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Simulator <a href="#">cap/safety clip</a> missing or damaged	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Damage to the extent that simulator is inoperable	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Cracks in simulator body where explosive is exposed	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Wet/damp, caked with mud or dirt	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<a href="#">Tape</a> on fuse lighter missing	Minor	Secure simulator cap with approved ordnance/duct tape if possible. If not, place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Non-unit pack	N/A	Follow local ASP procedure for securing a light box.	
No defects	N/A	Repack the simulators. Follow local ASP procedures for securing the ammunition for storage.	

*Note:*

*(1) Prior to repackaging and returning to storage, ensure that the lot number match the markings on the inner/outer containers.*

# VISUALS



Outer Container with Markings (DODIC L594)



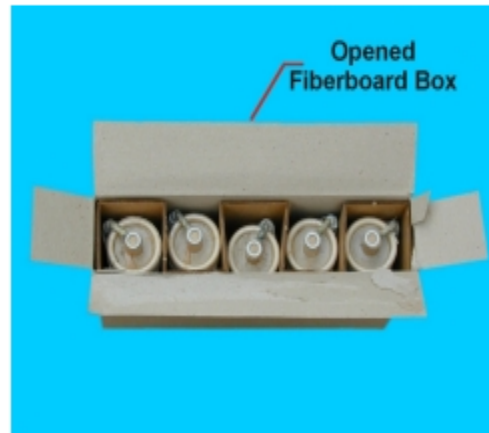
Opened Outer Container (DODIC L594)



Barrier Bag with Markings (DODIC L594)



Inner Container with Markings (DODIC L594)



Opened Inner Container (DODIC L594)

# REFERENCES

MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
TM 43-0001-37	Army Ammunition Data Sheets for Military Pyrotechnics
TM 9-1370-203-20	Organizational Maintenance Manual for Pyrotechnics
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use



# Simulator, Artillery Flash (L596)

## Item Description

The Simulator, Artillery Flash M110 (DODIC L596) is used to simulate battle conditions in artillery maneuvers and as a decoy in forward combat areas. Its flash closely resembles those of the 90mm Gun M2 series and the 155mm Howitzer M1 series (particularly with Charge 5).

This simulator consists of an inner container and an outer container; both made of black plastic. The inner container is filled with a pyrotechnic charge. The outer container is threaded at the base to receive the adapter holder and is threaded on the top to receive a filling plug. A commercial squib (S72 or S93) is shipped with each simulator.

Preparation for firing includes installation of the squib into the adapter holder, and pouring 70 cubic centimeters of gasoline through the filler hole into the space between the inner and outer container.



**Simulator, Flash Artillery M110  
(DODIC L596)**

# SAFETY & PACKAGING

## Safety Precautions

### WARNING

To prevent accidental detonation of the electric squib due to stray current or static discharge, ensure that the ends of the electrical wires are twisted (shunted) together. Do not untwist the electrical wires when inspecting individual squibs. Refer to AIN 09-97 for handling and use of electrically initiated ammunition

The DODIC L596 is classified as 1.3G munitions and is safe to handle using standard precautions. However, all explosives are, by nature, sensitive to heat, friction, and shock and must be handled with care. Special care must be given to the electric wires and to the electric squibs.



## Packaging

The packaging configurations for DODIC L596 are given in the Packaging Configuration Table below. NSN 1370-00-028-5112 is shown for illustration.

**Packaging Configuration Table**

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1370-00-028-5112</a>	M110 with S72 Squib	Packaged 1 simulator/fiberboard tube, 30 tubes and <a href="#">30 squibs</a> /wooden box, 18 boxes/wood pallet	<a href="#">1/Fiberboard Tube</a>	<a href="#">30/ Wooden Box</a>
1370-00-935-1969	M110 with S93 Squib	Packaged 1 simulator/fiberboard tube, 30 fiberboard tubes and 30 squibs/wooden box, 18 boxes/wood pallet	1/Fiberboard Tube	30/Wooden Box

# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for disposition of containers that cannot be stored in the original container.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Individual Item procedure</a> and attempt to determine missing information. Follow local ASP procedure if the lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing or illegible	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
Punctures, cracks, large dents, buckles, or other surface damage	Major	Proceed to Individual Item inspection.	(3)
Small dents, wrinkles, and buckles	Minor	Repack as required if container is unopened.	(2)
Wet/damp, caked with mud or dirt	Minor	Wipe clean and repack if unopened and undamaged. Do not repack wet containers.	(2)
Opened container	Minor	Proceed to Individual Item inspection.	(2)
<a href="#">Electric squib container opened</a>	N/A	Proceed to Individual Item inspection.	
Electric squib container crushed, punctured, wet/damp, caked with mud or dirt	Major	Proceed to Individual Item inspection.	(2)
No defects	N/A	Follow local ASP procedure for securing ammunition.	

## Notes:

- (1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.
- (2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<u>Lot number</u> missing or illegible	Major	Attempt to determine lot number. Follow local ASP procedure for disposition if lot number cannot be determined.	(1)
<u>Other markings</u> missing, illegible, or incorrect	Minor	Attempt to determine missing information. Follow local ASP procedure for disposition if missing information cannot be determined.	
Simulator contains fluid	Critical	Place defective ammunition in a holding area. Notify OIC/NCOIC immediately.	
Dents, splits, cracks, or other damage to the extent that simulator is inoperable	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Foreign material in <u>fuze well</u>	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<u>Filler plug</u> damaged or missing	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Wet/damp, caked with mud or dirt	Minor	Clean and wipe dry. Follow local ASP procedure if cannot be cleaned. Do not repack wet ammunition.	
Broken or untwisted <u>electrical wires</u> on squib	Critical	Create a shunt by twisting wire ends. Place defective ammunition in a holding area. Follow local ASP procedure for disposition..	
Squib crushed, split, cracked, or other damaged to the extent that it is inoperable	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Squib crushed, split, cracked, or other damaged to the extent that explosive is exposed	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Squib wet/damp, caked with mud or dirt	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<u>Tube containing squib</u> missing or damaged	Minor	Replace if possible. If not, follow local ASP procedure for disposition	
Non-unit pack	N/A	Follow local ASP procedures for securing a light box.	
No defects	N/A	Repack the ammunition. Follow local ASP procedures for securing the ammunition for storage.	

**Note:**

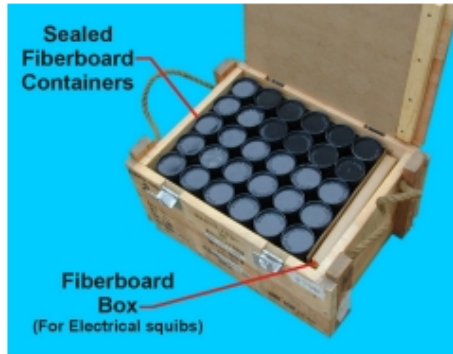
(1) Prior to repackaging and returning to storage, ensure that the lot number match the markings on the inner/outer containers.



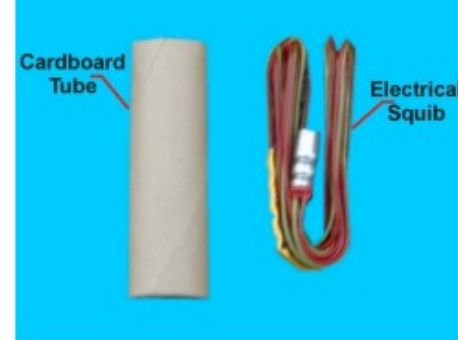
# VISUALS



Outer Container with Markings (DODIC L596)



Opened Outer Container (DODIC L596)



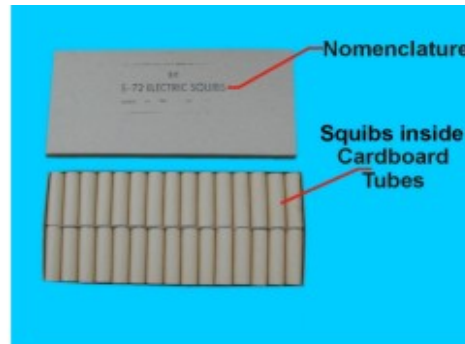
Electric Squib and Tube (DODIC L596)



Fuze Well (DODIC L596)



Inner Container (DODIC L596)



Opened Squib Container (DODIC L596)



Filler Plug (DODIC L596)

# REFERENCES

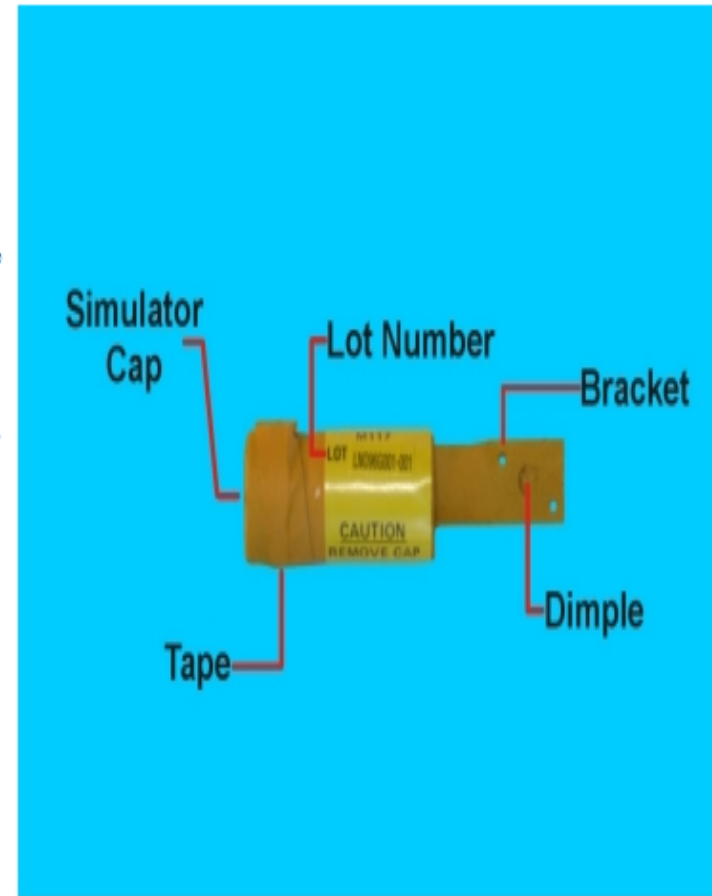
MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
TM 43-0001-37	Army Ammunition Data Sheets for Military Pyrotechnics
TM 9-1370-203-20	Organizational Maintenance Manual for Pyrotechnics
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use
SW050-AB-MMA-010	Pyrotechnic, Screening, Marking and Countermeasure Devices

# Simulator, BOOBY TRAP EXPLOSIVE (L598)

## Item Description

The Simulator, Explosive Booby Trap M117 Flash (DODIC L598) is used as safe booby trap during maneuvers and in troop training. Its purpose is to teach the installation, detection and use of booby traps, and to instill caution in troops exposed to booby traps set by an enemy.

This simulator consists of a cylindrical outer tube and a flat, metal nailing bracket extending from one end of the tube. Located within the outer tube is a charge initiating assembly and an inner tube containing a pyrotechnic charge. Running through the initiating assembly is a length of pull cord. One end of the cord is covered with a friction composition; the other end is coiled and secured in the end of the body by a paper cap and a strip of tape.



Simulator, Booby Trap Explosive  
M117 Flash (DODIC L598)



# SAFETY & PACKAGING

## Safety Precautions

### WARNING

The pull cord sometimes adheres to the inside of the end cap and if accidentally pulled, will ignite the flash composition. Do not remove the simulator cap when inspecting the individual item.

The DODIC L598 is classified as 1.3G munitions and is safe to handle using standard precautions. This simulator is extremely hazardous if mishandled and can cause severe trauma to appendages.



## Packaging

The DODIC L598 is packaged in different configurations. The total quantity in each shipping container varies depending on the NSN. The packing configurations for DODIC L598 are given in the Packaging Configuration Table below. NSN 1370-00-028-5256 is shown for illustration.

Packaging Configuration Table

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1370-00-028-5256</a>	M117	Packaged 5 simulators/fiberboard box in barrier bag, 30 boxes/wooden box, 27 boxes/wood pallet	<a href="#">5/Fiberboard Box</a>	<a href="#">150/Wooden Box</a>
1370-00-007-5562 1370-01-536-8393	M117	Packaged 5 simulators/fiberboard box in barrier bag, 30 boxes/wooden box, 30 boxes/wood pallet	5/Fiberboard Box	150/ Wooden Box
1370-00-283-9443	M117	Packaged 25 simulators/M2A1 metal container/2 containers/wirebound box, 36 boxes/wood pallet	25/M2A1 Metal Container	50/Wooden Box

# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallees closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for disposition of containers that do not meet the above criteria.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
NSN 1370-00-028-5256 and 1370-00-007-5562			
Lot number missing or illegible on barrier bag and/or fiberboard box	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedure if the lot number cannot be determined. Correct markings as required.	(1)
Other markings missing or illegible on barrier bag and/or fiberboard box	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
Barrier bag wet/damp, caked with mud/dirt	Minor	Wipe clean and repack if unopened and undamaged. Do not repack wet containers.	
Barrier bag opened, torn, or punctured	Minor	Inspect fiberboard carton.	
Small dents, wrinkles, and buckles on fiberboard box	Minor	Repack as required if unopened.	
<a href="#">Opened Container</a> torn or punctured	Minor	Proceed to Individual Item inspection.	(2)
Fiberboard box wet/damp, caked with mud/dirt	Major	Proceed to Individual Item inspection.	(2)
No defects	N/A	Follow local ASP procedure for securing ammunition.	
NSN 1370-00-283-9443			
Lot number missing or illegible	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined. Correct markings as required.	(1)
Other markings missing, illegible, or incorrect	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
Severe dents or punctures that penetrates the container or crushed container	Major	Proceed to Individual Item inspection.	(2)
Light dents, buckles, heavy rust/corrosion, or other surface damage	Minor	If the container is unopened and sealed, secure the ammunition for storage. Otherwise, proceed to Individual Item inspection.	(2)
Opened containers or damaged/missing factory tape or seal	Minor	Proceed to Individual Item inspection.	(2)
No defects	N/A	Follow local ASP procedure for securing the ammunition to storage.	

## Notes:

- (1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.
- (2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

# INDIVIDUAL ITEM

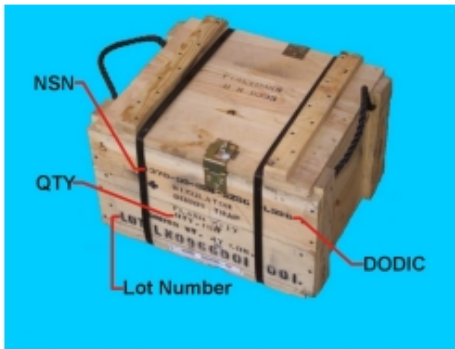
## DEFECT LIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Attempt to determine lot number. Follow local ASP procedure for disposition if lot number cannot be determined.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Attempt to determine missing information. Follow local ASP procedure for disposition if missing information cannot be determined.	(1)
Cracks in <a href="#">simulator body</a> where explosive is exposed	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Dents, splits, cracks, or other damage to the extent that simulator is inoperable	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<a href="#">Simulator cap or bracket</a> loose to the extent that it can be removed by slight finger pressure	Minor	Secure simulator cap and or bracket with ordnance/duct tape if possible. If not, place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Wet/damp, caked with mud or dirt	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<a href="#">Tape</a> on simulator cap missing	Minor	Secure simulator cap with ordnance/duct tape if possible. If not, place defective ammunition in a holding area. Follow local ASP procedure for disposition..	
Any of the following <a href="#">components</a> missing or damaged: (a) Simulator assembly (b) Spool assembly (c) Simulator cap (d) Extension spring (e) Brackets (f) Nails (g) Bracket Holes (h) Staples	Major	Replace missing or damaged parts if spares are available; otherwise place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Non-unit pack	N/A	Follow local ASP procedures for securing a light box.	
No defects	N/A	Repack the ammunition. Follow local ASP procedures for securing the ammunition for storage.	

Note:

(1) Prior to repackaging and returning to storage, ensure that the [lot number](#) match the markings on the inner/outer containers.

# VISUALS



Outer Container with Markings (DODIC L598)



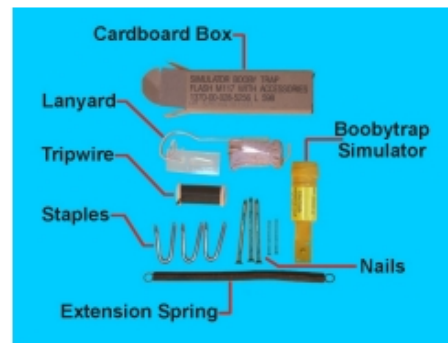
Opened Outer Container (DODIC L598)



Barrier Bag (DODIC L598)



Inner Container with Markings (DODIC L598)



Opened Inner Container and Components (DODIC L598)

# REFERENCES

MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
TM 43-0001-37	Army Ammunition Data Sheets for Military Pyrotechnics
TM 9-1370-203-20	Organizational Maintenance Manual for Pyrotechnics
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use
SW050-AB-MMA-010	Pyrotechnic, Screening, Marking and Countermeasure Devices

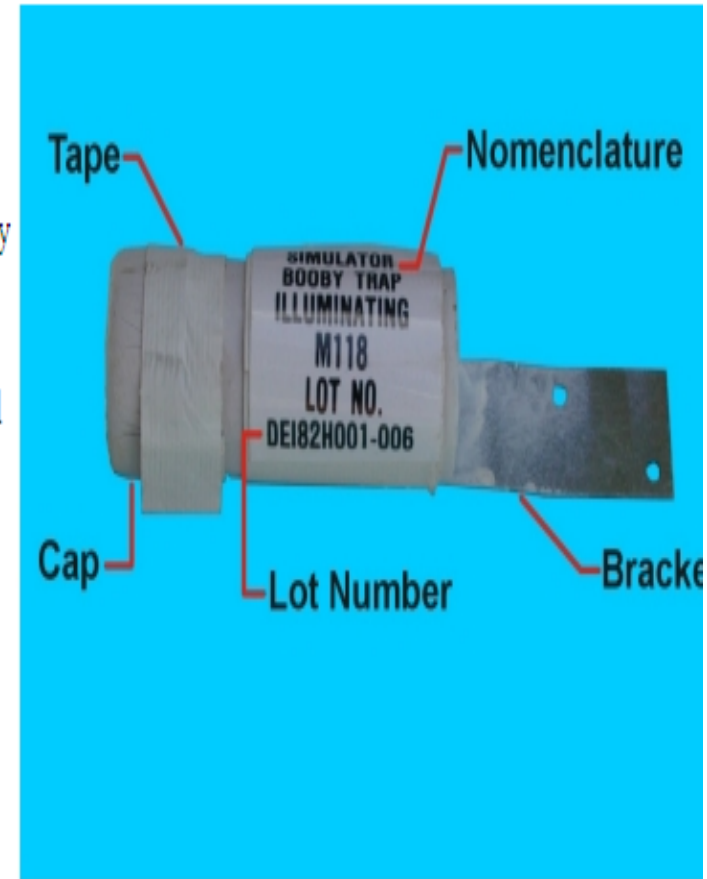


# Simulator, BOOBY TRAP EXPLOSIVE ILLUMINATING (L599)

## Item Description

The Simulator, Explosive Booby Trap Illuminating M118 (DODIC L599) is used as a safe booby trap during maneuvers and in troop training. Its purpose is to teach the installation, detection and use of booby traps, and to instill caution in troops exposed to booby traps set by an enemy.

This simulator consists of a cylindrical outer tube and a flat, metal nailing bracket extending from one end of the tube. Located within the outer tube is a charge initiating assembly and an inner tube containing a pyrotechnic charge. Running through the initiating assembly is a length of pull cord. One end of the cord is covered with a friction composition; the other end is coiled and secured in the end of the body by a paper cap and a strip of tape.



Simulator, Booby Trap Explosive Illuminating M118 (DODIC L599)

# SAFETY & PACKAGING

## Safety Precautions

### WARNING

Do tamper with or attempt to remove the simulator cap when inspecting the individual item.

The DODIC L599 is classified as 1.3G munitions and is relatively safe to handle; however, all explosives are, by nature, sensitive to heat, friction, and shock.



## Packaging

The DODIC L599 is packaged in different configurations. The total quantity in each shipping container varies depending on the NSN. The packing configurations for DODIC L599 are given in the Packaging Configuration Table below. NSN 1370-00-283-9444 is shown for illustration.

**Packaging Configuration Table**

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1370-00-283-9444</a>	M118	Packaged 5 simulators/fiberboard box in barrier bag, 5 bags/ <a href="#">M2A1 metal container</a> , 2 containers/wirebound wooden box, no palletization data	<a href="#">25/M2A1 Metal Container</a>	<a href="#">50/Wooden Box</a>
1370-00-028-5257	M118	Packaged 5 simulators/fiberboard box in barrier bag, 30 boxes/wooden box, 27 boxes/wood pallet.	5/Fiberboard Container	150/Wooden Box
1370-00-008-7788	M118	Packaged 5 simulators/fiberboard box in barrier bag, 30 boxes/wooden box, 27 boxes/wood pallet.	5/Fiberboard Container	150/Wooden Box



# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for disposition of containers that do not meet the minimum requirements.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
NSN 1370-00-283-9444			
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Correct markings as required.	(1)
Severe punctures that appear to penetrate container or crushed container or crushed container	Major	Proceed to <a href="#">Individual Item inspection</a> .	(2)
Dents, buckles, heavy rust/corrosion, or other surface damage	Minor	Proceed to <a href="#">Individual Item inspection</a> .	(2)
Humidity indicator shows moisture intrusion	Minor	Proceed to <a href="#">Individual Item inspection</a> .	
<a href="#">Opened container</a> or missing factory seals	N/A	Proceed to <a href="#">Individual Item inspection</a> .	
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	
NSN 1370-00-028-5257			
Lot number missing or illegible on barrier bag and/or fiberboard box	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedure if the lot number cannot be determined. Correct markings as required.	(1)
Other markings missing or illegible on barrier bag and/or fiberboard box	Minor	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Correct markings as required.	(1)
Barrier bag wet/damp, caked with mud/dirt	Minor	Wipe the barrier bag clean and repack if unopened and undamaged. Do not repack wet containers.	
Barrier bag opened, torn, or punctured	Minor	Inspect fiberboard box.	
Small dents, wrinkles, and buckles on fiberboard box	Minor	Repack as required if unopened.	
Fiberboard box opened, torn, or punctured	Minor	Proceed to <a href="#">Individual Item inspection</a> .	(2)
Fiberboard box wet/damp, caked with mud/dirt	Major	Proceed to <a href="#">Individual Item inspection</a> .	(2)
No defects	N/A	Follow local ASP procedure for securing ammunition.	

# INNER CONTAINER CHECKLIST (CONT)

## Notes:

- (1) Prior to repackaging and returning to storage, ensure that the DODIC, lot number, NSN, and quantity on the inner containers match the markings on the outer container.*
- (2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.*

# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Lot number missing or illegible on <a href="#">barrier bag</a> and/or <a href="#">fiberboard box</a>	Major	Open barrier bag and/or fiberboard box and attempt to determine missing information from the body of the simulator. Follow local ASP procedure for disposition if lot number cannot be determined. Correct markings as required.	(1)
Other markings missing or illegible on barrier bag and/or fiberboard box	Minor	Open barrier bag and/or fiberboard box and attempt to determine missing information from the body of the simulator. Follow local ASP procedure for disposition missing information cannot be determined. Correct markings as required.	(1)
Barrier bag wet/damp, caked with mud/dirt	Minor	Wipe clean and dry. Repack if unopened and undamaged. Do not repack wet containers.	(2)
Barrier bag opened, torn, or punctured	Minor	Inspect fiberboard box.	(2)
Small dents, wrinkles, and buckles on fiberboard box	Minor	Repack as required if unopened.	(2)
Fiberboard box opened, torn, or punctured	Minor	Proceed to Individual Item inspection.	(2)
Fiberboard box wet/damp, caked with mud/dirt	Major	Proceed to Individual Item inspection.	(2)
<a href="#">Lot number</a> missing or illegible on simulator	Major	Attempt to determine lot number. Follow local ASP procedure for disposition if lot number cannot be determined.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect on simulator	Minor	Attempt to determine missing information. Follow local ASP procedure for disposition if missing information cannot be determined.	
Any of the following <a href="#">components</a> missing or damaged: (a) Simulator assembly (b) Spool assembly (c) Simulator cap (d) Extension spring (e) Bracket (f) Nails	Major	Replace missing or damaged parts if spares are available. If not, place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Cracks in simulator body where explosive is exposed	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Wet/damp, caked with mud or dirt	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	

# INDIVIDUAL ITEM CHECKLIST (CONT)

Wet/damp, caked with mud or dirt	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Either simulator cap or bracket is loose to the extent that it can be moved by slight finger pressure	Minor	Secure simulator cap and/or bracket with approved ordnance/duct tape if possible. If not, place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Tape on simulator cap missing	Minor	Secure simulator cap with approved ordnance/duct tape if possible. If not, place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Non-unit pack	N/A	Follow local ASP procedure for securing a light box.	
No defects	N/A	Repack the ammunition. Follow local ASP procedure for securing the ammunition for storage.	

## Notes:

- (1) Prior to repackaging and returning to storage, ensure that the lot number and quantity match the inner/outer container.
- (2) Follow local ASP procedures for securing and storing the ammunition if the packing material is missing or unserviceable and cannot be replaced.

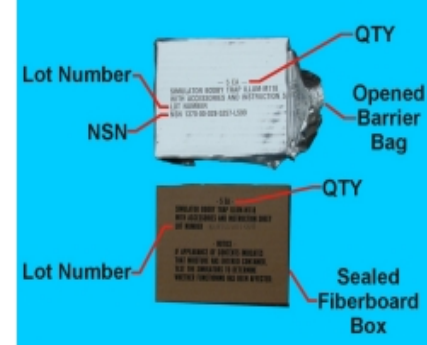
# VISUALS



Outer Container with Markings (DODIC L599)



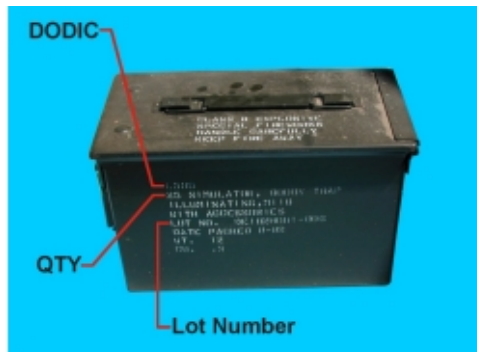
Opened Outer Container (DODIC L599)



Item Packaging (DODIC L599)



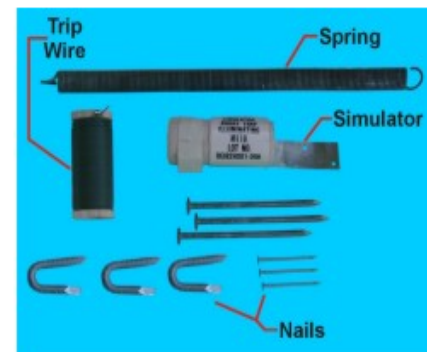
Opened Fiberboard Box (DODIC L599)



Inner Container with Markings (DODIC L599)



Opened Inner Container (DODIC L599)



Simulator and Accessories (DODIC L599)

# REFERENCES

MIL-STD-1168B

*Ammunition Lot Numbering and Ammunition Data Card*

NAVSEA OP 5 Vol 1

*Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping*

NAVSEA SW020-AC-SAF-010

*Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material*

ORDAMMO-813-3.7

*Packaging Digest for Marine Corps Class V (W) Material*

TM 43-0001-37

*Army Ammunition Data Sheets for Military Pyrotechnics*

TM 9-1370-203-20

*Organizational Maintenance Manual for Pyrotechnics*

TW024-AA-ORD-010 (NAR)

*Ammunition Unserviceable, Suspended and Limited Use*

SW050-AB-MMA-010

*Pyrotechnic, Screening, Marking and Countermeasure Devices*



# Simulator, HAND GRENADE (L601)

## Item Description

The Simulator, Hand Grenade M116A1 (DODIC L601) is used to simulate battle noises and effects on land only during maneuvers and troop training.

This simulator consists of a cylindrical paper tube containing a charge of photoflash powder. A fuse igniter, type M3A1, is taped to the outside of the tube and is joined to the photoflash powder by a safety fuse. A safety clip through the cap of the fuse igniter prevents accidental detonation. A label giving firing instructions is attached to the outside of each simulator.



Simulator, Hand Grenade M166A1  
(DODIC L601)



# SAFETY & PACKAGING

## Safety Precautions

### WARNING

Do not tamper with safety clip or attempt to remove the cap when inspecting the individual item.

The DODIC L601 is classified as 1.3G munitions and is safe to handle using standard precautions. However, all explosives are by nature sensitive to heat, friction, and shock and must be handled with care.



## Packaging

The packaging configuration for DODIC L601 is given in the Packaging Configuration Table below.

Packaging Configuration Table

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1370-00-752-8124</a>	M116A1	Packaged <a href="#">5 simulators/fiberboard box</a> in barrier bag, 30 cartons/wooden box, 18 boxes/wood pallet	<a href="#">5/Fiberboard Box</a>	<a href="#">150/Wooden Box</a>

# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition - returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for disposition of containers that do not meet the minimum requirements.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Lot number missing or illegible on barrier bag and/or fiberboard box	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedure if the lot number cannot be determined. Correct markings as required.	(1)
Other markings missing or illegible on barrier bag and/or fiberboard box	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
Barrier bag wet/damp, caked with mud/dirt	Minor	Wipe clean and repack if unopened and undamaged. Do not repack wet containers.	
Barrier bag opened, torn, or punctured	Minor	Inspect fiberboard carton.	
Small dents, wrinkles, and buckles on fiberboard carton	Minor	Repack as required if unopened.	
<a href="#">Opened</a> , torn, or punctured	Minor	Proceed to Individual Item inspection.	(2)
Fiberboard box wet/damp, caked with mud/dirt	Major	Proceed to Individual Item inspection.	(2)
No defects	N/A	Follow local ASP procedure for securing ammunition.	

## Notes:

- (1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.
- (2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

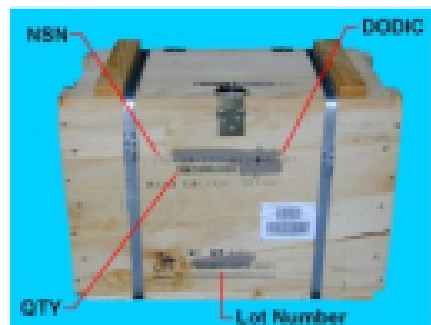
# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<u>Lot number</u> missing or illegible	Major	Attempt to determine lot number. Follow local ASP procedure for disposition if lot number cannot be determined.	(1)
<u>Firing instructions, warning labels</u> missing, illegible, or incorrect	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Simulator <u>cap/safety clip</u> missing or damaged	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Cracks in simulator body where explosive is exposed	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Dents, splits, cracks, or other damage to the extent that simulator is inoperable	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Wet/damp, caked with mud or dirt	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<u>Tape</u> on fuse lighter missing	Minor	Secure simulator cap with ordnance/duct tape; otherwise place simulator in a holding area. Follow local ASP procedure for disposition.	
Non-unit pack	N/A	Follow local ASP procedures for securing a light box.	
No defects	N/A	Repack the ammunition. Follow local ASP procedures for securing the ammunition for storage.	

*Note:*

*(1) Prior to repackaging and returning to storage, ensure that the lot number match the markings on the inner/outer containers.*

# VISUALS



Outer Container with Markings  
(DODIC L601)



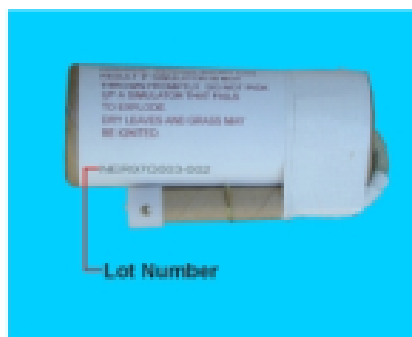
Opened Outer Container  
(DODIC L601)



Barrier Bag  
(DODIC L601)



Inner Container with  
Markings (DODIC L601)



Lot Number  
(DODIC L601)



Opened Inner Container  
(DODIC L601)

# REFERENCES

MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
TM 43-0001-37	Army Ammunition Data Sheets for Military Pyrotechnics
TM 9-1370-203-20	Organizational Maintenance Manual for Pyrotechnics
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use
SW050-AB-MMA-010	Pyrotechnic, Screening, Marking and Countermeasure Devices

# Simulator, ANTI-TANK LAUNCHER TOW (L592)

## Item Description

The Simulator, Anti-Tank Launcher (DODIC L592) is an electrically ignited device designed to simulate the sound of the Tube-launched Optically-tracked Wire-guided (TOW) missile launch motor during training. The simulator is used with the Precision Gunnery Training System (PGTS). The primary use of the PGTS is to train the gunner to keep his sight centered on the target. When the gunner presses the trigger on the PGTS, after a short delay, DODIC L592 detonates adding sound effects similar to the missile launch.

The DODIC L592 simulator is 0.656-inches long and has an explosive mixture made up of potassium perchlorate, aluminum, and sulfur. This simulator has a pair of 18-inch electrical leads that are shunted (twisted) for safety in storage.



Simulator, Anti-Tank Launcher (TOW)  
(DODIC L592)



# SAFETY & PACKAGING

## Safety Precautions

### WARNING

To prevent accidental detonation of the simulators due to stray current or static discharge, ensure that the ends of the electrical wires are twisted (shunted) together. Do not untwist the electrical wires when inspecting individual simulators. Refer to AIN 09-97 for handling and use of electrically initiated ammunition.

The DODIC L592 is classified as 1.1G munitions and is safe to handle using standard precautions. However, all explosives are by nature sensitive to heat, friction, and shock and must be handled with care. Ensure that the electrical leads are twisted together (shunted) prior to handling.



## Packaging

The packaging configurations for DODIC L592 are given in the Packaging Configuration Table below. NSN 1337-00-198-2566 is shown for illustration.

Packaging Configuration Table

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1337-00-198-2566</a>	M70	Packaged 25 simulators/fiberboard box, <a href="#">4 boxes in barrier bag</a> , 12 bags/wooden box, no palletization data.	<a href="#">25/Fiberboard Box</a>	<a href="#">1200/Wooden Box</a>
1370-01-085-2301	M80	Unknown	Unknown	Unknown



# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate both outer and inner container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, hasps, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for disposition of containers that cannot be determined to be suitable for storage.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Lot number missing or illegible (on <a href="#">barrier bag</a> and/or <a href="#">fiberboard box</a> )	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined. Correct markings as required.	(1)
Other markings missing, illegible, or incorrect (on <a href="#">barrier bag</a> and/or <a href="#">fiberboard box</a> )	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
Barrier bag wet/damp, caked with mud or dirt	Minor	Wipe clean and repack if unopened and undamaged. Do not repack wet ammunition.	(2)
Fiberboard box wet/damp, caked with mud or dirt	Major	Proceed to Individual Item inspection.	(2)
Barrier bag or fiberboard box torn or punctured	Minor	Proceed to Individual Item inspection.	(2)
Barrier bag opened	N/A	Inspect fiberboard box.	(1)
<a href="#">Fiberboard box opened</a>	N/A	Proceed to Individual Item Inspection.	(1)
Non-unit pack	N/A	Follow local procedures for securing a light box.	
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

- (1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.
- (2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Item packaging ( <a href="#">barrier bag</a> ) missing, damaged	Minor	Visually inspect ammunition. Repack as required if ammunition is serviceable.	
Markings missing, illegible, or incorrect	Minor	Attempt to determine missing information.	
Splits, cracks, punctures exposing explosives	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Crushed, dented	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<a href="#">Electrical leads</a> unshunted	Critical	Create a shunt by twisting wire ends.	
Electrical leads broken, wires cut or frayed	Critical	Ensure that the lead wires are shunted by twisting the ends together to create a shunt. If wires are missing, notify OIC/NCOIC immediately. Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Non-unit pack	N/A	Follow local ASP procedures for securing the ammunition for storage.	
No defects	N/A	Repack ammunition. Follow local ASP procedures for securing the ammunition for storage.	

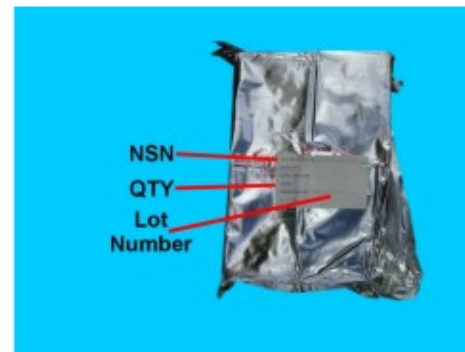
# VISUALS



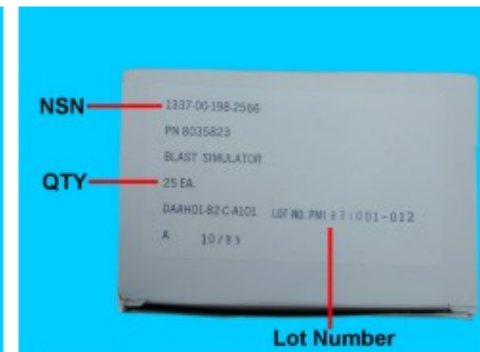
Outer Container with Markings  
(DODIC L592)



Opened Outer Container  
(DODIC L592)



Sealed Barrier Bag with  
Markings (DODIC L592)



Fiberboard Box with Markings  
(DODIC L592)



Opened Fiberboard Box  
(DODIC L592)

# REFERENCES

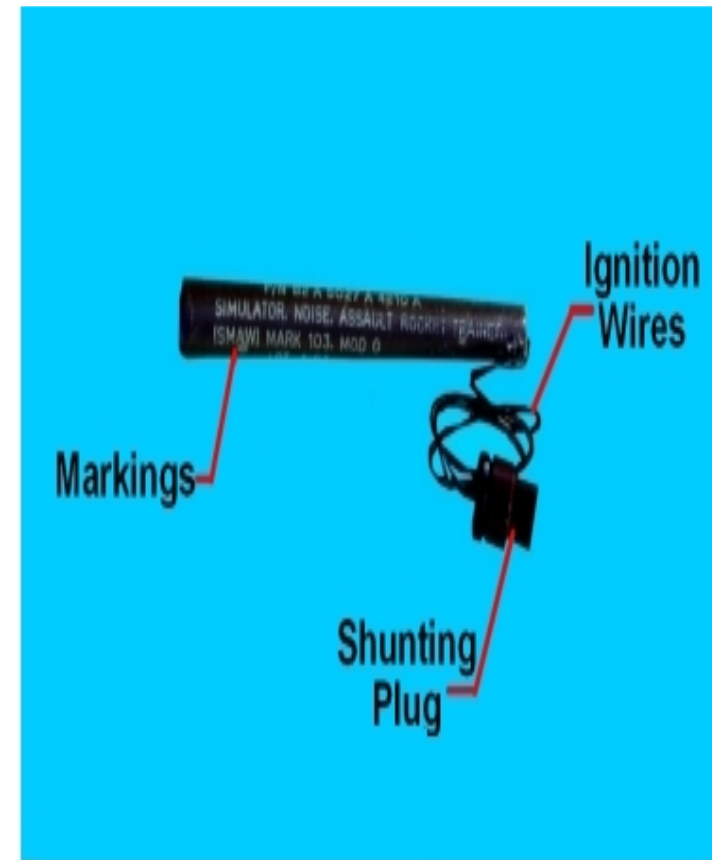
MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
TM 9-1370-203-20	Organizational Maintenance Manual for Pyrotechnics
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use

# Simulator, NOISE ASSAULT ROCKET TRAINER (SMAW) (L592)

## Item Description

The Simulator, Noise Assault Rocket Trainer MK103 Mod 0 (DODIC LX21) is used in conjunction with the Shoulder-Launched Multipurpose Assault Weapon (SMAW). The MK103 Mod 0 simulator is an electrically actuated device which, when installed in the MK27 Mod 0 trainer and fired, simulates a typical SMAW rocket launch environment. Upon fire command signal from the launcher, the simulator rapidly ignites, creating pressure, recoil, and sound levels similar to a tactical assault rocket launch.

The MK103 Mod 0 simulator is brown in color, tapered 0.63 to 0.83 inches in diameter, 6.7 inches in length and weighs approximately 0.7 ounces (20 gm). This simulator is provided with a shunted plastic-covered wire. This device contains an explosive composition and black powder.



Simulator, Noise Attack Rocket Trainer  
(SMAW) Mk 103 Mod 0 (DODIC LX21)

# SAFETY & PACKAGING

## Safety Precautions

### WARNING

To prevent accidental detonation of the simulator due to stray current or static discharge, ensure that the shorting plug is attached to the ignition wires. Do not bend/twist the ignition wires or remove the plug during inspection.

The DODIC LX21 is classified as 1.4G munitions and is relatively safe to handle using standard precautions. However, all explosives are, by nature, sensitive to heat, friction, and shock and must be handled with care. Special care must be given to the ignition wires and the shorting plug.



## Packaging

The packaging configuration for DODIC LX21 is given in the Packaging Configuration Table below.

Packaging Configuration Table

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1370-01-157-2461</a>	MK 103 MOD 0	Packaged 1 simulator/sealed envelope, 20 envelopes/M19A1 Metal Container, 4 containers/wirebound wooden box, no palletization data.	<a href="#">20/M19A1 Metal Container</a>	<a href="#">80/Wooden Box</a>



# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallees closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for disposition of containers that do not meet the minimum requirements.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedure for disposition if lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
Severe punctures that appear to penetrate container or crushed container or crushed container	Major	Proceed to Individual Item inspection.	(2)
Dents, buckles, heavy rust/corrosion, or other surface damage	Minor	Proceed to Individual Item inspection.	(2)
<a href="#">Opened container</a> or missing factory seals	N/A	Proceed to Individual Item inspection.	
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

- (1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.
- (2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Missing or damaged <a href="#">non-static packaging</a>	Critical	Repair damaged packaging if possible using approved ordnance/duct tape. If not, or if packaging is missing place defective ammunition in a holding area. Follow local ASP procedure for disposition.	(1)
Crushed, cracked simulator	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Dents, buckles, or other surface damage to the extent that the simulator cannot be used	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Wet/damp, caked with mud or dirt	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<a href="#">Open end</a> has debris, dirt, mud, or any thing lodged down hole	Major	Clean open end of any debris. Follow local ASP procedures for disposition.	
Ignition wires cut or frayed	Critical	Shunt the wires at the cut or frayed end. Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Ignition wires not shunted, shorting cap missing, damaged	Critical	Ensure that the wires are shunted by placing the dust cover/shorting cap on the shorting plug on the end of the lead wires. If this cannot be done, Place defective ammunition in a holding area. Follow local ASP procedure for disposition. Notify OIC/NCIC immediately.	
Non-unit pack	N/A	Follow local ASP procedure for securing a light box.	
No defects	N/A	Repack the ammunition. Follow local ASP procedures for securing the ammunition for storage.	

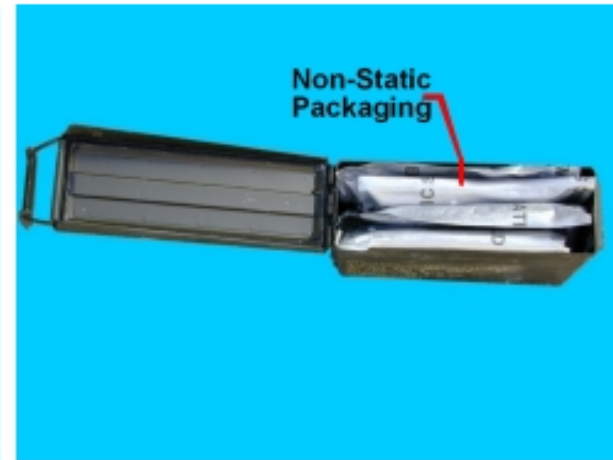
**Note:**

*(1) Follow local ASP procedures for securing and storing the ammunition if the packaging material is missing or unserviceable and cannot be replaced.*

# VISUALS



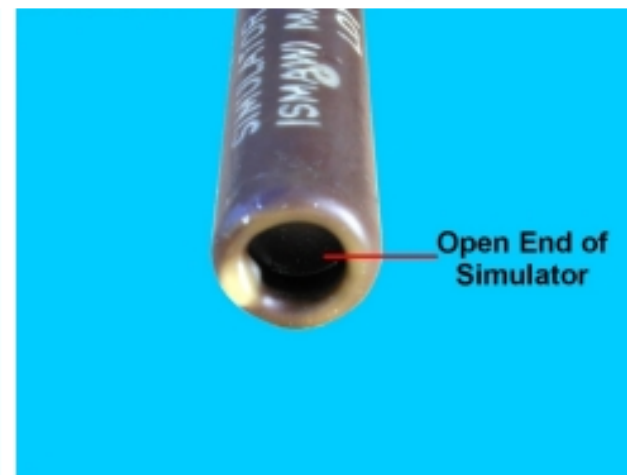
Outer Container with Markings  
(DODIC LX21)



Opened Outer Container  
(DODIC LX21)



Non-Static Packaging and  
Simulator (DODIC LX21)



Open End of Simulator  
(DODIC LX21)

# REFERENCES

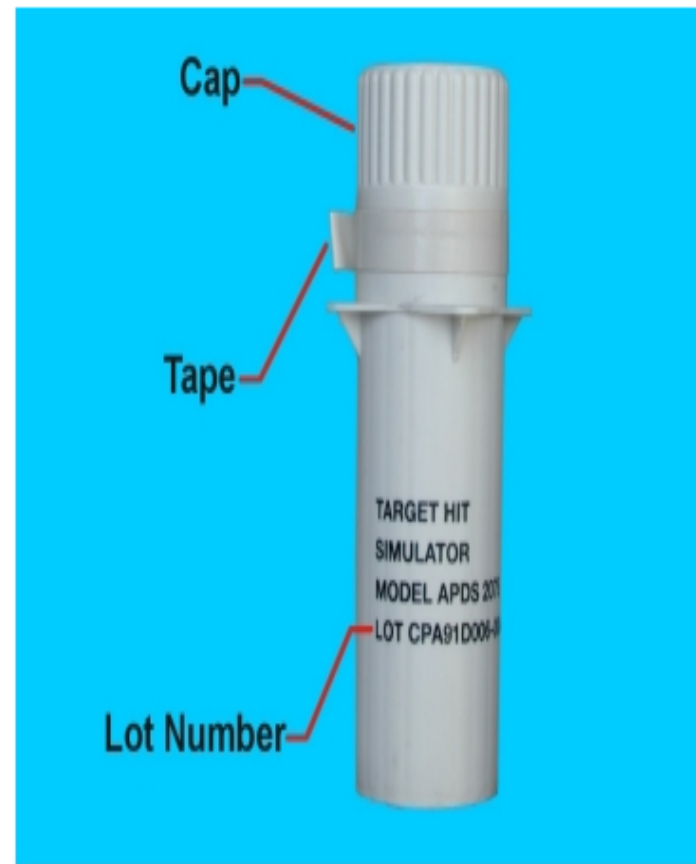
MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use

# Simulator, TARGET HIT (L709)

## Item Description

The Simulator, Target Hit M25 (DODIC L709) is used to notify the gunner and crew on live-fire ranges that a target has been hit by producing a flash spray. The simulator is loaded and fired from the Hoffman Device. This device adds realism to day and night practice firing. Besides simulating main gun firing, the Hoffman Device, with modifications, can be used on live-fire ranges to simulate a firing target and to indicate a target hit or kill.

This simulator consists of an outer plastic container with a protective cap taped to it. Under the protective cap are ignition wires and a plug. The plastic container is filled with a pyrotechnic charge and is initiated electrically.



Simulator, Target Hit M25  
(DODIC L709)

# SAFETY & PACKAGING

## Safety Precautions

### WARNING

To prevent accidental detonation of the simulator due to stray current or static discharge, ensure that the plug is attached to the ignition wires. Do not bend/twist the ignition wires or remove the plug during inspection.

The DODIC L709 is classified as 1.3G munitions and is safe to handle using standard precautions. However, all explosives are by nature sensitive to heat, friction, and shock and must be handled with care. Special care must be given to the electric wires and shorting plug.



## Packaging

The packaging configuration for DODIC L709 is given in the Packaging Configuration Table below.

Packaging Configuration Table

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1370-01-344-5849</a>	M25	Packaged <a href="#">9 simulators/fiberboard box</a> , 18 boxes/wooden box, no palletization data.	<a href="#">9/Fiberboard Box</a>	<a href="#">162/Wooden Box</a>



# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

## Notes:

(1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for disposition of containers that do not meet the minimum requirements.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedure if the lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing or illegible	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
Wet/damp, caked with mud/dirt	Major	Proceed to Individual Item inspection.	(2)
Fiberboard box torn or punctured	Minor	Proceed to Individual Item inspection.	(2)
Small dents, wrinkles, and buckles on fiberboard carton	Minor	Repack as required if unopened.	
<a href="#">Opened container</a>	N/A	Proceed to Individual Item inspection.	
No defects	N/A	Follow local ASP procedure for securing ammunition.	

## Notes:

- (1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.
- (2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Attempt to determine lot number. Follow local ASP procedure for disposition if lot number cannot be determined.	(1)
Tape on <a href="#">simulator cap</a> missing	Minor	Secure simulator cap with ordnance/duct tape. Otherwise place simulator in a holding area. Follow local ASP procedure for disposition.	
Simulator cap missing or damaged	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Cracks in simulator body where explosive is exposed	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Dents, splits, cracks, or other damage to the extent that simulator is inoperable	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Wet/damp, caked with mud or dirt	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Missing <a href="#">shorting plug</a>	Critical	Create a shunt by twisting wire ends. Place defective ammunition in a holding area. Follow local ASP procedure for disposition..	
Broken or frayed <a href="#">ignition wires</a>	Critical	Create a shunt by twisting wire ends. Place defective ammunition in a holding area. Follow local ASP procedure for disposition..	
Non-unit pack	N/A	Follow local ASP procedures for securing a light box.	
No defects	N/A	Repack the ammunition. Follow local ASP procedures for securing the ammunition for storage.	

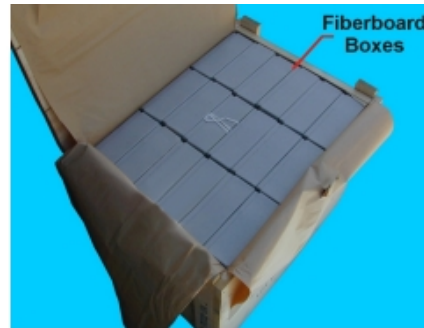
Note:

(1) Prior to repackaging and returning to storage, ensure that the [lot number](#) matches the markings on the inner/outer containers.

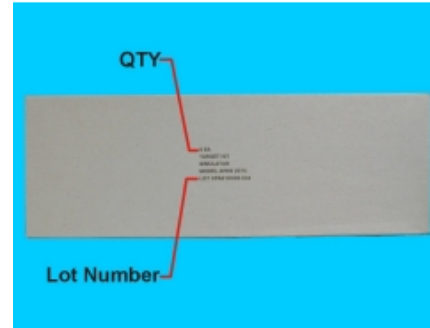
# VISUALS



Outer Container with Markings (DODIC L709)



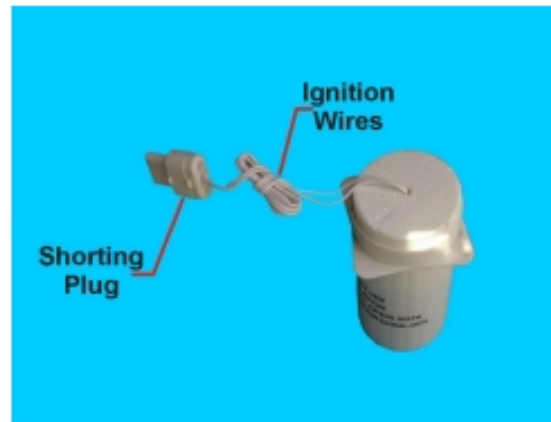
Opened Outer Container (DODIC L709)



Inner Container with Markings (DODIC L709)



Opened Inner Container (DODIC L709)



Simulator with Cap Removed (DODIC L709)

# REFERENCES

MIL-STD-1168B	<i>Ammunition Lot Numbering and Ammunition Data Card</i>
NAVSEA OP 5 Vol 1	<i>Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping</i>
NAVSEA SW020-AC-SAF-010	<i>Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material</i>
ORDAMMO-813-3.7	<i>Packaging Digest for Marine Corps Class V (W) Material</i>
TW024-AA-ORD-010 (NAR)	<i>Ammunition Unserviceable, Suspended and Limited Use</i>

# Simulator, TARGET KILL (L720)

### Item Description

The Simulator, Target Kill M26 (DODIC L720) is used to notify the gunner and crew on live-fire ranges that a target has been killed by producing black smoke. The simulator is mounted on the tank's main gun tube and each cartridge is activated electrically upon depressing the main gun trigger. Firing is from the Simulator Tank Gunfire: Main Gun Weapons Effect Signature, or Hoffman Device. This device adds realism to day and night practice firing. Besides simulating main gun firing, the Hoffman device, with modifications, can be used on live-fire ranges to simulate a firing target and to indicate a target hit or kill.

This simulator consists of an outer metal container with either a protective cap taped on top, or tape on top of the metal container. The cap or tape protects the ignition wires and a shorting plug from falling out. The metal container is filled with a pyrotechnic charge and is initiated electrically.



**Simulator, Target Kill M26  
(DODIC L720)**

# SAFETY & PACKAGING

## Safety Precautions

### WARNING

To prevent accidental detonation of the simulator due to stray current or static discharge, ensure that either the shorting plug is attached to the ignition wires or the ends of the ignition wires are twisted (shunted) together. Do not untwist the ignition wires or remove the shorting plug during inspection. Refer to AIN 78-05 for handling and use of electrically initiated ammunition.

The DODIC L720 is classified as 1.3G munitions and is safe to handle using standard precautions. However, all explosives are, by nature, sensitive to heat, friction, and shock and must be handled with care. Special care must be given to the electric wires and shorting plug.



## Packaging

The packaging configuration for DODIC L720 is given in the Packaging Configuration Table below.

Packaging Configuration Table

NSN	Model	Packaging	Inner Container	Outer Container
<a href="#">1370-01-352-5723</a>	M26	Packaged <a href="#">15/fiberboard box</a> in barrier bag, 4 boxes/wooden box, no palletization data.	<a href="#">15/Fiberboard Box</a>	<a href="#">60/Wooden Box</a>



# OUTER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Proceed to <a href="#">Inner Container inspection</a> and attempt to determine missing information. Follow local ASP procedures for disposition if correct lot number cannot be determined. Correct markings as required.	(1)
<a href="#">Other markings</a> missing, illegible, or incorrect	Minor	Proceed to Inner Container inspection and attempt to determine missing information. Correct markings as required.	(1)
Ammunition -returned in non-standard or unauthorized containers	Major	Proceed to <a href="#">Individual Item inspection</a> . Discard and replace with authorized ammunition container prior to storage. Follow local ASP procedure for disposition if lot number cannot be determined.	(2), (3)
Severe punctures that appear to penetrate container, crushed container	Major	Proceed to Inner Container inspection.	(3)
Shallow punctures, splintered wood, water damage, dry rot, other cosmetic damage	Minor	Proceed to Inner Container inspection.	(3)
<a href="#">Opened containers</a> or damaged/missing hardware (sallee closures, seals, hinges, etc.) used to secure the outer container	Minor	Proceed to Inner Container inspection.	(3)
No defects	N/A	Follow local ASP procedures for securing the ammunition for storage.	

(1) At a minimum, the markings should include the [DODIC, lot number, NSN, and quantity](#).

(2) Non-standard or unauthorized containers may include MRE boxes, coffee cans, cardboard boxes, etc., or anything other than original or standard ammunition containers.

(3) Follow local ASP procedures for securing the ammunition for storage.

# INNER CONTAINER CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
Lot number missing or illegible on barrier bag and/or fiberboard box	Major	Proceed to <a href="#">Individual Item inspection</a> and attempt to determine missing information. Follow local ASP procedure if the lot number cannot be determined. Correct markings as required.	(1)
Other markings missing or illegible on barrier bag and/or fiberboard box	Minor	Proceed to Individual Item inspection and attempt to determine missing information. Correct markings as required.	(1)
Barrier bag wet/damp, caked with mud/dirt	Minor	Wipe clean and repack if unopened and undamaged. Do not repack wet containers.	
Barrier bag opened, torn, or punctured	Minor	Inspect fiberboard box.	
Small dents, wrinkles, and buckles on fiberboard box	Minor	Repack as required if unopened.	
Fiberboard box opened, torn, or punctured	Minor	Proceed to Individual Item inspection.	(2)
Fiberboard box wet/damp, caked with mud/dirt	Major	Proceed to Individual Item inspection.	(2)
No defects	N/A	Follow local ASP procedure for securing ammunition.	

## Notes:

- (1) Prior to repackaging and returning to storage, ensure that the [DODIC, lot number, NSN, and quantity](#) on the inner containers match the markings on the outer container.
- (2) Follow local ASP procedures for securing and storing the ammunition if the inner container is missing or unserviceable and cannot be replaced.

# INDIVIDUAL ITEM CHECKLIST

Defect Description	Defect Category	Recommended Action	Notes
<a href="#">Lot number</a> missing or illegible	Major	Attempt to determine lot number. Follow local ASP procedure for disposition if lot number cannot be determined. Repack as required with correct markings.	(1)
<a href="#">Firing instructions, warning labels</a> missing, illegible, or incorrect	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
<a href="#">Tape or cap</a> missing or damaged	Minor	Apply tape, as shown in Figure 2 and repack the ammunition. Or, if simulator has a cap, secure with ordnance/duct tape; otherwise place simulator in a holding area. Follow local ASP procedure for disposition.	
Cracks in simulator body where explosive is exposed	Critical	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Dents, splits, cracks, or other damage to the extent that simulator is inoperable	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Wet/damp, caked with mud or dirt	Major	Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Missing <a href="#">shorting plug</a>	Critical	Create a shunt by twisting wire ends. Place defective ammunition in a holding area. Follow local ASP procedure for disposition..	
Broken or frayed <a href="#">ignition wires</a>	Critical	Create a shunt by twisting wire ends. Place defective ammunition in a holding area. Follow local ASP procedure for disposition.	
Non-unit pack	N/A	Follow local ASP procedures for securing a light box.	
No defects	N/A	Repack the ammunition. Follow local ASP procedures for securing the ammunition for storage.	

**Note:**

(1) Prior to repackaging and returning to storage, ensure that the [lot number](#) match the markings on the inner/outer containers.

# VISUALS



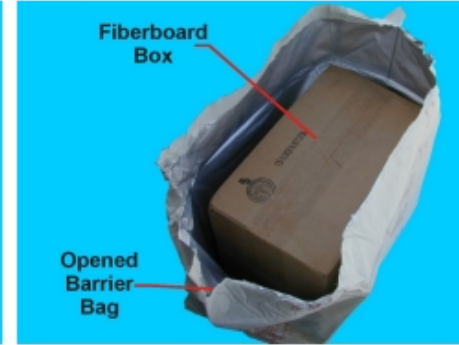
Outer Container with Markings  
(DODIC L720)



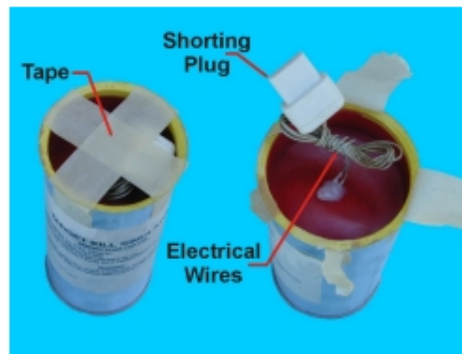
Opened Outer Container  
(DODIC L720)



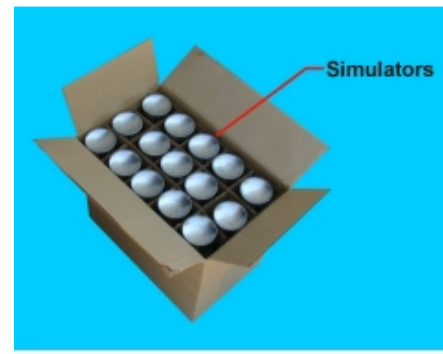
Barrier Bag with Markings  
(DODIC L720)



Inner Container  
(DODIC L720)



Top of M26 Simulator  
(DODIC L720)



Opened Inner Container  
(DODIC L720)

# REFERENCES

MIL-STD-1168B	Ammunition Lot Numbering and Ammunition Data Card
NAVSEA OP 5 Vol 1	Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
NAVSEA SW020-AC-SAF-010	Transportation and Storage for Ammunition, Explosives, and Related Hazardous Material
ORDAMMO-813-3.7	Packaging Digest for Marine Corps Class V (W) Material
TW024-AA-ORD-010 (NAR)	Ammunition Unserviceable, Suspended and Limited Use